

# The University of Texas Publication

No. 3834

September 8, 1938

16 mm. MOTION PICTURES  
SOUND AND SILENT

Visual Instruction Bureau  
Division of Extension  
The University of Texas

University of Texas  
Publications



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THE UNIVERSITY OF TEXAS  
AUSTIN

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**PUBLISHED BY THE UNIVERSITY FOUR TIMES A MONTH AND ENTERED AS  
SECOND-CLASS MATTER AT THE POST OFFICE AT AUSTIN, TEXAS,  
UNDER THE ACT OF AUGUST 24, 1912**

## TO REMIND YOU TO

**Register.**

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(See page 90 for Condition of Service)

## CORE AREAS AND SUBJECT HEADINGS

In the Visual Instruction Bureau catalogues, visual aids are listed under A. L. A. subject headings. These subject headings are co-ordinated with the Five Core Areas of the Curriculum Revision Movement, as follows:

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# SOUND

16 mm. Sound Motion Pictures

## AGRICULTURE

*(Core Area Home and Vocational Arts)*

Nos.

### DAIRYING, LIVESTOCK, AND MEAT PRODUCTS

\*So 392 **Partners.** 2 reels, 3200 feet. Farming, cattle breeding.

### FORESTRY AND GAME

So 5032 **Forests and Flocks.** 1 reel. Rental \$1.50 per day.

(See Gutlohn Series, page 46.)

Lumbering in the Redwoods; raising sheep and goats.

\*So 12 **Forest Serves Man, The.** 1 reel.

How the forest furnishes wood, water, food for animals, and refuge for man. Caring for the forest; erosion control; tree nurseries; fires; rain over the trees. Birds, animals, and fish. Fishermen and campers. Musical accompaniment. (U. S. D. A.)

\*So 256 **Forest Treasures.** 1 reel, 877 feet.

The fascinating story of the world's rare woods, in making furniture and decorations, from the time of the Pharaohs of Egypt to the latest luxury liners.

### PESTS

\*So 255 **Feeding the Multitude.** 1 reel.

Treating seed to control black rot, black mold, and other pests that attack plants, to insure bountiful crop yields.

\*So 343 **Hidden Enemies (Termites).** 1 reel, 788 feet.

A study of the habits of the social insect termite and the destruction caused by it, as well as the method of prevention of termite destruction.

### RURAL LIFE AND FARM ENGINEERING

\*So 253 **Sheppard and Son.** 2 large reels.

Variety of farming methods. Demonstration of tractors of various kinds. Introduced by cowboys singing "Bury Me Not" and "Adieu, Adieu, Kind Friends, Adieu."

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\*Included in Group Rental.

**ART AND ARCHITECTURE***(Core Area Creative and Recreative Arts)*

Nos.

- So 5022 **Churches and Cathedrals (1).** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Comparison of three of the most beautiful Gothic churches in the world—the oldest, Chartres, known the world over for its gorgeous stained glass windows, Notre Dame in Paris with its grotesque sculpture, and the Riverside Church in New York. Closeups of detail of buttresses, towers and portals while choral music comes from the chancery. Harry Emerson Fosdick, noted pastor and author of “The Meaning of Prayer,” explains the aim and purpose of modern Christianity.

- So 5023 **Colonial Architecture.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Beautiful photography takes you through Greenfield Village, Henry Ford’s adventure into the past: Rose Cottage from Gloucester, England; Clinton Inn, built in 1831; a country store seventy-six years old; the toll house where Whittier used to play; a postoffice 126 years old; the courthouse where Lincoln first practiced law; a beautiful Colonial church; and a Scotch settlement school built before the Civil War.

Deerfield, Massachusetts—a village typifying the beauty of design and proportion which distinguished the work of the early Colonial “master builders.”

- So 5024 **Fountains, Gardens, and Statues.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Viscaya—17th Century Italy brought to life in Miami, Florida. A stone boat and a peacock bridge, a 17th century Leda and the Swan and equally beautiful modern sculpture by Gaston LaChaise, fountains and formal gardens.

The Fountains of Rome—The Piazza Trevi, the Baths of Diocletian, the Borghese Gardens—monuments to the baroque splendor of the Rome of the Late Renaissance. The Moors of Venice—The square of St. Marks in Venice with its beautiful Byzantine church and campanile in the background.

**ASTRONOMY***(See General Science)*

**ATHLETICS AND SPORTS**

(See also Physiology, Health, and Hygiene)

*(Core Area Creative and Recreative Arts)*

Nos.

- So 5153 **Bob White.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
Hunting quail with trained bird dogs.
- So 5154 **Ducks and Drakes.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
Negro boys carry hunters, in flat boats down the river, to shoot for ducks and drakes.
- So 5156 **Fishing.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
Casting for salmon in Newfoundland; trout fishing in Ontario; seining in the Sea of Galilee; and tunny fishing in Sicily.
- \*So 259 **Heads Up Baseball.** 2 large reels.  
Views of the 1936 World Series in New York; a group of plays illustrating many misunderstood rules of the game; demonstrations of the scientific aspects of pitching, catching, fielding, batting and baserunning.
- So 5158 **Par and Double Par.** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)  
Comedy golf with Frank Crummit.
- So 5159 **Poetry of Motion, The and Olympic Diving Champions.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
The poetry of motion, as typified by our athletes in all forms of sport. Our Olympic Diving Champions demonstrate, in slow motion, the perfect form and grace that makes the champion in this sport.
- So 5160 **Tennis Topnotchers.** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)  
Tennis champions in action. Slow motion.

**BIOLOGICAL SCIENCE**

(Including Nature Study)

*(Core Area Nature, Mathematics, and Science)***ANIMALS**

- So 5042 **Brock the Badger.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
A delightful film showing our quaint friend the Badger in his ancestral home. He is a frolicsome fellow except

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\*Included in Group Rental.

Nos.

when he is hungry and then he stalks his prey very cleverly. He has a sweet tooth, and satisfies it by filching honey from the bees, whose only method of retaliation is to sting his tongue. Brock curls himself up for his long sleep during the winter.

- So 5043 **Denizens of the Desert.** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)

Shows, in action and narrative form, the plant, animal and scenic phases of the desert; slow motion pictures of the "side-winder," a true desert snake—and other interesting subjects.

- So 5032 **Forests and Flocks.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Lumbering in the Redwoods; raising sheep and goats.

- So 5033 **Michigan Beaver.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The cunning beavers, with great dexterity, build their dams and keep them in repair.

- So 5035 **Michigan Mammals.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The opossum, woodchuck, porcupine, muskrat, beaver, cotton-tail and snowshoe rabbit, wolverine, weasel, skunk, otter, badger, raccoon, timber wolf, fox, bobcats, bearcats, elk, deer, and moose, are shown.

- So 5034 **Michigan Moose.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Shows how the Conservation Department of Michigan traps moose and places them in game preserves.

- So 5044 **Nature's Gangsters.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Colonel Hogarth, of the Conservation Department of the State of Michigan, tells what is being done to overcome violations of State Conservation Laws. We are shown gangsters of the animal world, spearing trout in the spawning season and dynamiting a stream, thereby killing everything in a thirty foot radius; deer hunters placing a block of salt in the fork of a tree to attract deer, and then shooting indiscriminately at doe and fawn.

- \*So 1005 **Our Wildlife Resources.** 2 reels.

Many forms of wild life, ranging from quail and ducks to grizzly bears and moose, are shown in their natural

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\*Included in Group Rental.

Nos.

habitat, and the efforts that are being made to preserve the wild life of America are explained.

- So 5045 **Playtime at the Zoo.** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series page 46.)

The Honey Bear, Wolf Cub, Baby Elephant, Seal, Hornbill and Marmot studied at close range.

- \*So 1894 **Reactions in Plants and Animals.** 1 reel. Rental \$2.00 per day. University of Chicago.

After first characterizing the concepts of "stimulus" and "reaction," the film presents a study of different types of reactions in plants and animals. Directed reactions in a field of force (tropisms); higher reactions including reflexes and chains of reflexes lead up to a review of nervous system activity. Such reactions as geotropism, phototropism, stereotropism, galvanotropism, and rheotropism are studied in detail. Time-lapse photography is employed to illustrate geotropism (response to gravity).

- So 5046 **Wild Animals.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Elephants in their native wilds, hunted and trapped and prepared for life in a circus. A trip through the Canadian woods, where many wild animals are caught unawares by the camera, among them the Duck-billed Platypus, queerest of all creatures.

## BIRDS

- So 5047 **Birds.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Flocks of wild pelicans, wild geese, seagulls, and sandpipers in flight and feeding in their natural habitat.

- So 5048 **Bittern, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The nest of this fine bird, with its fine brown eggs. Her life, while her children are young, is a long search for food, for, contrary to popular belief, birds have big appetites. Sunset brings rest to her, and, after her noisy family is asleep, she settles down.

- So 5049 **Nightingale, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The life of a family of nightingales—from the time the eggs were hatched out, until the birds were able

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\*Included in Group Rental.

Nos.

to look after themselves. The song of the nightingale, famed in literature, is very successfully recorded.

**\*So 1005 Our Wildlife Resources.** 2 reels.

Many forms of wild life, ranging from quail and ducks to grizzly bears and moose, are shown in their natural habitat, and the efforts that are being made to preserve the wild life of America are explained.

**So 5051 Short-eared Owl.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

We see the home of the Short-eared Owl, a handsome creature with two little tufts of feathers over her ears. The five eggs in the nest soon hatch out, and then the problem of feeding becomes acute, for these hungry babies eat an enormous amount of field mice or moles each day. Very soon, however, the young owlets are able to look after themselves and find their own food.

**So 5050 Special Messengers.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Shows the development of a homing-pigeon belonging to one of the 90,000 members of British pigeon clubs. We see the eggs, the development of the chick after two days of incubation, and again after three days: the young bird breaking the shell and emerging after nineteen days: the "squeaker" covered with fluff and as a fledgling. The parent birds are seen feeding their young on regurgitated food. Fourteen days after hatching, preparation of the young bird as a racer begins. We are shown a good racing pigeon and the long pinion feathers and overlapping middle tail feathers (points to be looked for in all racers) are displayed.

**So 5052 Springtime in the Scillies.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

These islands form a natural sanctuary for sea birds. We see Gulls, Shags, Razorbills and Puffins. The life of this mixed colony goes on heedless of the tragedies in their midst, secured from outside enemies by the great Atlantic rollers which beat upon the rock-bound coast.

## FISH AND SEA LIFE

**\*So 266 Alaska's Silver Millions.** 1 reel, 1200 feet.

Animated maps showing Alaska's relation to the world, scenes of breath-taking grandeur, icebergs forming,

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**\*Included in Group Rental.**

Nos.

salmon battling up the streams to their spawning ground, canneries speedily preparing and canning salmon for market.

- So 5065 **Fight to Live (Ditmars).** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)

Raymond L. Ditmars shows the motion picture of deep sea life, taken in the Mediterranean, and explains the fight to live among its creatures. Shows clams digging into the sand, scallops swimming, the gas attack of the sea hare, the Atlantic and Pacific lobsters fighting, the giant turtle preying on smaller creatures, and the ray fish killing the starfish with an electric shock.

- So 5066 **Marine Life.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Activities which take place under the seas, in all parts of the world: marine life along Australia's barrier reef; pearl culture in Japanese waters; and weird forms found in Hawaiian waters.

- So 5067 **Romance in a Pond.** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)

The life-story of the common Newt, starting with the adult at the close of hibernation, ready to respond to increased light and higher temperature. We see the changes in outward appearance in both male and female as the season advances, the tiny eggs laid on the leaves and gradually giving place to an embryo, active within the clear protective envelope. When hatched the tadpole already shows external gills, but its limbs appear much later, the arms before the legs. Later, an adult, now provided with lungs, is seen rising to the surface of the pond in order to take in air through its nostrils, and another stepping up on the land for the first time.

- \*So 258 **Sponge Fishing.** 1 reel.

A good presentation of sponge fishing and of the preparing and grading of sponges for market.

- So 5068 **Two Pounder, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Beneath the waters of certain streams may be found the small round eggs of the trout. We see the development of the fish until its bursts from its shell into the river world. The favorite food for the trout is the mayfly, but his search for this tidbit may lead him into the fisherman's net as we see here.

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\*Included in Group Rental.



Nos.

- So 5069 **Water Folk.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Marshes and ponds are teeming with tiny creatures called water fleas. They act as scavengers in the water world for they eat decayed vegetable matter. The eggs are carried about under the maternal shell, until they are ready to tackle the world. In spring and summer all the water fleas are female, but when winter comes, they produce sons to carry on. These males mate with the females of their own generation and so the cycle of life goes on.

#### INSECT AND PLANT LIFE

- \*So 1889 **Butterflies.** 1 reel. Rental \$2.00 per day.  
University of Chicago.

The film on butterflies illustrates the complete life history of the cabbage butterfly and the swallow-tail butterfly with their different characteristics and habits, including their role in nature, that of aiding in the cross-fertilization of flowers. Time-lapse photography is employed to show in a few seconds processes which require an hour or more. The destructiveness of the cabbage butterfly, as well as its unusual control by a natural enemy, is dramatically depicted.

- So 5043 **Denizens of the Desert.** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)

Shows, in action and narrative form, the plant, animal and scenic phases of the desert; slow motion pictures of the "side-winder," a true desert snake—and other interesting subjects.

- \*So 1885 **Dodder, The.** 1 reel. Rental \$2.00 per day.

A parasitic plant. University of Chicago.

The entire life story of the dodder, one of the best known of the group of parasitic flowering plants, is shown by means of time-lapse photography, accompanied by an explanatory narrative. Among the more impressive features is the presentation of the dodder twining about the host plant. Animation aids in revealing details in the structure and operation of the suckers. The destructive character of this plant is demonstrated, as well as the beauty of the flowers.

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\*Included in Group Rental.

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- So 5060 **Dream Flower.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The poppy, in itself harmless, contains in its stem a fluid, the latex, from which opium is produced. The process of opium production is shown.

- \*So 1941 **Four Seasons, The.—Spring.** 1 reel. Rental 50c per day.

In the early part of the year, when the trees are budding, when the sun brings the frost out of the ground and the woodchuck wakes from his winter's nap, an amazing thing happens to the majestic buck deer—he loses his spreading antlers.

- \*So 1942 **Four Seasons, The.—Summer.** 1 reel. Rental 50c per day.

Summer comes on. The trees are in full bloom, the birds are hunting food for their young, tiny bear cubs frolic through the woods, and the deer starts to sprout a new set of antlers, at the rate of half an inch a day until late in summer the antlers are nearly half their original size.

- \*So 1943 **Four Seasons, The.—Autumn.** 1 reel. Rental 50c per day.

Autumn is the brilliant and busy season out of doors. The birds are in flight for the south and the small furred animals are busy in preparation for the winter. The buck's horns have now reached nearly their full size, but they are encased in a soft, moss-like substance. The tadpoles of early spring are full-fledged bull frogs and the caterpillar of the winter before is now a beautiful butterfly.

- \*So 1944 **Four Seasons, The.—Winter.** 1 reel. Rental 50c per day.

The season of winter deals largely with the lives of the animals in the cold and snow. Tiny flakes of snow magnified many times their size show them to be more beautiful in their construction than jewels. This is a chapter of the cycle that shows the hibernating animals deep in their winter sleep. The buck deer's spreading antlers have reached their full spread. With the world thus buried under drifts of snow and ice, the cycle of the four seasons is brought to a close.

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\*Included in Group Rental.

Nos.

- So 5053 **Friendly Flies.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Two species, which are real friends to man, are the Hoverer fly which destroys the common black fly and the Drone fly which helps clean up our gardens.

- \*So 1886 **Fungus Plants.** 1 reel. Rental \$2.00 per day.

University of Chicago.

Growth and reproduction of various mushrooms illustrated by time-lapse photography and animation; molds and other fungi. The economic importance of these plants in their use as food, destruction of dead organic matter, their cause of disease in plants. The picture has an unusual aesthetic appeal.

- So 5061 **Gathering Moss.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Shows the actual growth of moss, speeded up a hundred thousand times. The flower-like growth and the fertilization of the plant are shown.

- So 5054 **Glow Worm, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The Glow Worm—also called Light of Love, hatches out under a stone and is at first a long, queer-looking grub equipped with a kind of rosette of fingers which it uses for pulling itself up grass stems or for washing its face and innumerable legs. It lives mainly off snails, but as it moves very slowly, it often has a great race to catch its dinner. The male is a handsome winged beetle, but the female is a plain little grub. She has, however, a lamp of phosphorous just above her tail, which she waves to attract the male.

- \*So 343 **Hidden Enemies (Termites).** 1 reel, 788 feet.

A study of the habits of the social insect termite and the destruction caused by it, as well as the method of prevention of termite destruction.

- So 5062 **In All His Glory.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Pollination—Shows the romantic life of a plant—fertilization—the bees as match-makers—protection of the precious pollen from rain—the drooping snowdrop—the closely-shut snapdragon—automatic distribution of pollen—coöperation between plants and insects—advertising the pollen to attract insects—business bluff in the world of nature.

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\*Included in Group Rental.

Nos.

- So 5063 **Iris Family, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
The evolution from bulb to bloom. The Iris is a secretive plant but its secrets are here revealed in its complete life cycle.
- \*So 1004 **Life of Plants.** 1 reel.  
Time-lapse and microphotography showing the development of the plant from seed to flower, illustrated by the cotyledon: seed germination, function and structure of roots, development of leaves and formation of the stem. Structure of the flower. Dramatic movement of blossoming iris and rose as shown by time-lapse photography. (U. S. D. A.)
- \*So 1048 **Mosquito—Public Enemy, The.** 2 reels.  
Discusses the mosquito as a pest affecting man and beast; varieties and life history; safeguards and methods of control.
- So 5031 **Nature's Chemistry.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
Beautiful glass models of the wonderland found in a drop of water; also, splendid examples of sand culture, growth being shown by time lapse photography.
- \*So 1894 **Reactions in Plants and Animals.** 1 reel. Rental \$2.00 per day. University of Chicago.  
After first characterizing the concepts of "stimulus" and "reaction," the film presents a study of different types of reactions in plants and animals. Directed reactions in a field of force (tropisms); then higher reactions including reflexes and chains of reflexes lead up to a review of nervous system activity. Such reactions as geotropism, phototropism, stereotropism, galvanotropism, and rheotropism are studied in detail. Time-lapse photography is employed to illustrate geotropism (response to gravity).
- \*So 1887 **Seed Dispersal.** 1 reel. Rental \$2.00 per day. University of Chicago.  
Interesting ways by which seeds of plants are scattered in order to insure the propagation of the species; dispersal by the wind, transportation by animals, and forceful propulsion from the seed case. Attention is given to the germination of seeds under various conditions; struggle for survival in the plant world.

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\*Included in Group Rental.

Nos.

- So 5064 **Tree and Plant Life.** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)

Gigantic ferns belonging to the Carboniferous Age, giant desert cacti, yucca palms and the torrey pines of California are among the vegetable life pictured.

- So 5055 **War in the Trees.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

An excellent example of biological control. We see the Wood Wasp, enemy of the forest trees, and how nature has provided for his destruction by a natural enemy—the Rhyssa.

### MISCELLANEOUS BIOLOGICAL SCIENCE

(Including Microscopic Life)

- So 5043 **Denizens of the Desert.** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)

Shows, in action and narrative form, the plant, animal and scenic phases of the desert; slow motion pictures of the "side-winder," a true desert snake—and other interesting subjects.

- \*So 1888 **Frog, The.** 1 reel. Rental \$2.00 per day. University of Chicago.

The entire life cycle of the frog, as the most representative amphibian, is presented, aided by many stopmotion scenes and microscopic views. The development of the embryo is thus brought to the screen in a continuous scene of only a few seconds. The several changes taking place in the tadpole stage are carefully portrayed by picture and narrative. Slow-motion photography demonstrates the graceful movements of the frog in jumping.

- \*So 1902 **Heart and Circulation of the Blood, The.** 1 reel. Rental \$2.00 per day. University of Chicago.

Mechanics of the pulmonary and systemic systems. Heart action shown by technical animation and natural photography. Amplified heart beat sounds. Microscopic scenes of capillary action. Blood pressure and its relation to health.

- So 5056 **Magic Myxias.** 1 reel. Rental \$1.50 per day. See Gutlohn Series, page 46.)

The myxie is a queer fungus rather like mould, which develops sometimes into animal and sometimes into vegetable form. Shows, by microphotography, how

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\*Included in Group Rental.

Nos.

myxies grow and multiply, what they eat, and how they produce fruits which reproduce spores and the life history starts again.

- So 5057 **Marvels of the Microscope.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Microscopic pictures of tiny water plants and minute forms of animal life; the amazing mechanism of the fly's eye; microscopic study of tree specimens; closeups of leaf specimens.

- So 5058 **Mighty Atom.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The story of nature's scavengers. The action of these microscopic insects is shown on cheese, plants, bulbs, insects, etc.

- \*So 1901 **Nervous System, The.** 1 reel. Rental \$2.00 per day. University of Chicago.

Structure of system, particularly in man. Pathways and connections. Nature of the nerve impulse; conditions for setting up impulses; their passage from cell to cell; their discharge and resultant activity. Reflexes. Sensory integration. Activity of cerebrum.

- So 5069 **Water Folk.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Marshes and ponds are teeming with tiny creatures called water fleas. They act as scavengers in the water world for they eat decayed vegetable matter. The eggs are carried about under the maternal shell, until they are ready to tackle the world. In spring and summer, all the water fleas are female, but, when winter comes, they produce sons to carry on. These males mate with the females of their own generation and so the cycle of life goes on.

### BOY AND GIRL SCOUT WORK

(See Citizenship, Civics, and Government)

### CHEMISTRY AND PHYSICS

(See General Science)

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\*Included in Group Rental.

Nos.

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Gigantic ferns belonging to the Carboniferous Age, giant desert cacti, yucca palms and the torrey pines of California are among the vegetable life pictured.

- So 5055 **War in the Trees.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

An excellent example of biological control. We see the Wood Wasp, enemy of the forest trees, and how nature has provided for his destruction by a natural enemy—the Rhyssa.

### MISCELLANEOUS BIOLOGICAL SCIENCE

(Including Microscopic Life)

- So 5043 **Denizens of the Desert.** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)

Shows, in action and narrative form, the plant, animal and scenic phases of the desert; slow motion pictures of the "side-winder," a true desert snake—and other interesting subjects.

- \*So 1888 **Frog, The.** 1 reel. Rental \$2.00 per day. University of Chicago.

The entire life cycle of the frog, as the most representative amphibian, is presented, aided by many stopmotion scenes and microscopic views. The development of the embryo is thus brought to the screen in a continuous scene of only a few seconds. The several changes taking place in the tadpole stage are carefully portrayed by picture and narrative. Slow-motion photography demonstrates the graceful movements of the frog in jumping.

- \*So 1902 **Heart and Circulation of the Blood, The.** 1 reel. Rental \$2.00 per day. University of Chicago.

Mechanics of the pulmonary and systemic systems. Heart action shown by technical animation and natural photography. Amplified heart beat sounds. Microscopic scenes of capillary action. Blood pressure and its relation to health.

- So 5056 **Magic Myxies.** 1 reel. Rental \$1.50 per day. See Gutlohn Series, page 46.)

The myxie is a queer fungus rather like mould, which develops sometimes into animal and sometimes into vegetable form. Shows, by microphotography, how

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\*Included in Group Rental.



Nos.

myxies grow and multiply, what they eat, and how they produce fruits which reproduce spores and the life history starts again.

- So 5057 **Marvels of the Microscope.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Microscopic pictures of tiny water plants and minute forms of animal life; the amazing mechanism of the fly's eye; microscopic study of tree specimens; closeups of leaf specimens.

- So 5058 **Mighty Atom.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The story of nature's scavengers. The action of these microscopic insects is shown on cheese, plants, bulbs, insects, etc.

- \*So 1901 **Nervous System, The.** 1 reel. Rental \$2.00 per day. University of Chicago.

Structure of system, particularly in man. Pathways and connections. Nature of the nerve impulse; conditions for setting up impulses; their passage from cell to cell; their discharge and resultant activity. Reflexes. Sensory integration. Activity of cerebrum.

- So 5069 **Water Folk.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Marshes and ponds are teeming with tiny creatures called water fleas. They act as scavengers in the water world for they eat decayed vegetable matter. The eggs are carried about under the maternal shell, until they are ready to tackle the world. In spring and summer, all the water fleas are female, but, when winter comes, they produce sons to carry on. These males mate with the females of their own generation and so the cycle of life goes on.

### BOY AND GIRL SCOUT WORK

(See Citizenship, Civics, and Government)

### CHEMISTRY AND PHYSICS

(See General Science)

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\*Included in Group Rental.

**CITIZENSHIP, CIVICS, AND GOVERNMENT;  
VOCATIONAL GUIDANCE***(Core Area Social Relations)*

Nos.

- \*So 312 Beneficent Reprobate, The, or The Story of Ethyl Alcohol.** 1 reel, 1,600 feet.  
A simple but scientifically accurate treatise on the uses and effects of alcohol in industry and in relation to the central nervous system of the human body. The film is in no sense a preachment but is a well-balanced evaluation of alcohol in the various uses to which it may be put and makes clear why it causes characteristic effects when taken in beverages. The film is made in accordance with the principles of modern pedagogical practices.
- \*So 268 Bicycling With Complete Safety.** 1 reel.  
Bicycling—a lot of fun, an all-round exercise, a great sport, and the cheapest form of transportation—is safe for the rider and others, provided the nine rules of safe riding are observed. These rules are demonstrated and explained.
- \*So 317 Boulder Dam.** 4 reels.  
A survey of the Boulder Dam project from the first preliminary constructions in 1931 until the present time. The problem of the Colorado River; hazardous conditions of surveying; blasting for railroads, highways, and power lines; excavating for the diversion tunnels; building cofferdams in record time; dumping concrete from eight-cubic-yard buckets suspended from cableways; the huge concrete mixing plant; rail skidways and cableway skips to transport men across the canyon; workmen tamping and spraying concrete after dumping; intake towers, spillways and drum gates; manufacturing huge 30-foot pipes to line tunnels. Boulder City, built in fifteen months to accommodate workmen and officials. The official picture of the Department of the Interior.
- \*So 257 Chance to Lose, The.** 1 reel.  
Various types of highway traffic accidents and the safety measures employed in their prevention. The picture carries the full sponsorship of The National Safety Council, and has just been awarded highest honors by the C. I. T. Safety Foundation for “the most effective motion picture on traffic safety” for 1938.

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**\*Included in Group Rental.**

Nos.

- \*So 1050 **Commerce Around the Coffee Cup.** 1 reel.  
How foreign trade affects the individual. The coffee industry in Brazil used in conjunction with the United States automobile industry to illustrate how international commerce is carried on. Diagrammatic presentation of the method of arriving at a balance of trade.
- \*So 265 **Culver Woodcrafters.** (Culver Military Academy, Culver, Indiana.) 1 reel, 600 feet.  
Showing activities and camp including parades, canoe trips, council fires, athletic and recreational activities, posture training and handicraft.
- \*So 263 **Design and Construction of Three Small Homes at Bethesda, Maryland.** 1 reel.  
Building of three different types of houses (from Bulletin 4 of the Federal Housing Administration), selecting the location, laying the foundation, raising the walls, to the finished product; explanation of the whys and wherefores of good construction.
- \*So 830 **England's Coronation.** 1 reel.  
The Coronation ceremonies; procession to Canterbury Cathedral; the crowning of King George VI by the Archbishop of Canterbury; Princes and Peers pay homage to the King; crowning of the Queen; the return to Buckingham Palace. Troops from every part of the British domain march in procession. The Royal Family acknowledge cheers of the populace from the Palace balcony.
- \*So 379 **Everybody's Business.** 1 reel. Safe driving.  
A plea for more careful driving. Shows how some accidents happen and gives an interesting test of two cars driven across a city, one obeying traffic laws and one ignoring everything but speed. Interesting and illuminating.
- \*So 252 **Facts Behind the News.** 1 reel, 1,200 feet.  
United Air Lines; modern streamliners of the rails; racing craft. Gives an unusual and intimate picture of the story behind modern transportation developments. Pennzoil film—value of adequate lubrication to fine machinery is emphasized.
- \*So 349 **Farther, Faster, and Safer.** 1 reel, 885 feet.  
Speed in transportation—contrasting early modes of transportation with today's planes, streamlined trains and high speed autos. Outstanding scenes include

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\*Included in Group Rental.

Nos.

- transcontinental plane flight. Yankee Clipper in action and beautiful scenery from the air.
- \*So 264 **Fit for the Future.** 1 reel, 1,200 feet.  
The activities and interesting life of the Cadets of the Culver Military Academy, Culver, Indiana.
- \*So 18 **Flood Weather.** 3 reels.  
Sources and causes of floods. Government flood forecasting stations. System of flood forecasting on the Ohio River. Controlling flow of water through dams by means of bear traps and wickets. Scenes of the Potomac River flood of 1936; rescue and relief work. Fire in Cincinnati.
- \*So 12 **Forest Serves Man, The.** 1 reel.  
How the forest furnishes wood, water, food for animals, and refuge for man. Caring for the forest; erosion control; tree nurseries; fires; rain over the trees. Birds, animals, and fish. Fishermen and campers. Musical accompaniment.
- \*So 347 **Hands.** 1 reel, 160 feet.  
Through pictures of human hands in action, this short subject tells the story of the depression, shows the tremendous scope of the Works Progress Administration employment program and its marked impetus to industrial recovery. It is the first documentary film ever to trace the circulation of money as it passes from the hands of the workman through those of the tradesmen into industrial marts.
- So 5077 **Highway Mania.** 2 reels. Rental \$3.00 per day. (See Gutlohn Series, page 46.)  
A graphic illustration of the ever-increasing problem of poor and reckless automobile driving; the constructive steps the State of New Jersey has taken in its attempt to meet this problem, one typical of any state in the Union.
- \*So 399 **Horse Sense in Horse Power.** 1 reel.  
Traffic safety dramatized through examples of good and bad driving on country highways.
- \*So 1884 **Let's Open Our Eyes.** 1 reel. Rental 50c per day.  
The importance of combating syphilis and rendering its victims noninfectious early is stressed. Wasserman tests in all physical examinations and the importance of blood tests for syphilis in pregnancy are emphasized. Crimes for which syphilis is guilty—responsibility for the

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\*Included in Group Rental.

Nos.

blindness of little children, a substantial percentage of all heart disease, many stillbirths and the death of many babies, and a big percentage of all insanity and paralysis—and how to prevent them.

- \*So 260 **Man Against the River.** 1 reel.

Fire, famine and disease following the great Ohio valley flood of 1937 shown. Works Progress Administration employees coöperate with other Federal agencies, local and state organizations in the work of rescue and rehabilitation.

- \*So 250 **Modern Magic in Fire Protection.** 3 reels.

By automatically and instantaneously detecting, controlling and extinguishing fires, modern fire protection engineering safeguards life, property and production schedules more completely than ever before. Damage from fire, smoke, and water combined, are shown curbed for the first time by the one amazing fire protection system . . . known as the Rockwood Sprinkler System Dualguard. Scientific study of fires is shown in world's most outstanding fire protection laboratory at Worcester, Massachusetts. Here engineers start fires so that they can learn how to control them most effectively.

- \*So 391 **Once Upon a Time.** 1 reel.

An animated cartoon with musical symphonies shows a fairy-land setting used to emphasize the need of safety on the streets. Well-known fairy tale and Mother Goose characters become involved in the present-day types of street and highway accidents through the machinations of two bad goblins—"Carelessness" and "Discourtesy."

- \*So 1005 **Our Wildlife Resources.** 2 reels.

Many forms of wild life, ranging from quail and ducks to grizzly bears and moose, are shown in their natural habitat, and the efforts that are being made to preserve the wild life of America are explained.

- \*So 1006 **President Speaks, The.** 1 reel.

Fireside chats on recovery. Great number of people at relief agencies. Increased number of employed people. Need of social security. Activities of CCC, AAA, CWA, FPW, HOLC, TVA, Boulder Dam, PWA.

- \*So 261 **Rain for the Earth.** 2 reels.

Dramatic, swift-moving scenes tell a gripping story of man's struggle with the drought in the Great Plains. Sun-parched earth ravaged by blinding dust storms and

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\*Included in Group Rental.

Nos.

insect plagues is portrayed. The Works Progress Administration begins its gigantic task of reclamation and conservation in coöperation with other Federal agencies. Farmers in distress turn from idleness to the work of building dams and reservoirs to conserve the rain when it falls.

**\*So 251 Remember Jimmy. 1 reel.**

A graphic motion picture presentation of the traffic safety problem . . . presented by the Fireman's Fund Insurance Company. A dramatic journey with a young family who were motoring to the home of grandparents for a family reunion. Everyone laughed at and loved ten-year-old Jimmy whose head was full of football and who was devoted to the family dog, Bill. The film shows how the accident which crippled Jimmy sent him to the sidelines for life.

**\*So 315 Today's Frontiers. 1 reel.**

The story opens as the turning pages of a book entitled "Today's Frontiers" flash in rapid succession scenes of Pilgrim fathers, Dutch settlers, pioneer scouts, and covered wagon trains pushing the frontier ever westward. As this geographic frontier disappears, a series of quick scenes portrays vividly the industrial advance from the days of hand labor and ox carts to the highly mechanized factories and locomotion methods of today. Unemployment compensation features of the Social Security Act.

**\*So 319 Travels of a Postage Stamp, The. 1 reel.**

The adventures of a postage stamp, from the time it leaves the Bureau of Engraving and Printing until, on a letter, it reaches its destination.

**\*So 348 Under Control. 1 reel, 586 feet.**

Graphically portrays man's fight to bring nature's powerful resources under control. Interesting scenes of Boulder dam, Pikes Peak hill climb and daring stunt flying are but a few features in this outstanding subject.

**\*So 300 Water Lure. 1 reel.**

Scenic and CCC work record in Warm Springs and Indian Springs State Parks, Georgia. Theme—importance of medicinal waters in cultural and recreational development of a country. Atmospheric shots of Warm Springs Foundation.

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**\*Included in Group Rental.**

Nos.

- \*So 346 **Work Pays America.** 5 reels.

This is a dramatized record of accomplishments under the Works Progress Administration employment program. It is a moving human document showing public improvements and the conservation of human and natural resources.

**GENERAL SCIENCE**—Astronomy, Chemistry,  
Geology (Physical Geography) and Physics

(Core Area Nature, Mathematics, and Science)

- So 5073 **Air Currents: Theory of Streamlining.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

By means of a smoke chamber invented by Baron Shiva, Japanese Scientist, Clarence Chamberlin, noted flyer, shows us how air currents react to different shaped objects, what keeps a plane up, and what happens if it is tilted too sharply.

The Ocean Liner of Tomorrow—Normal Bel Geddes, noted industrial designer compares the ship of today with his model of the liner of tomorrow. By examining nature's own example of streamlining, the porpoise, as well as by diagrams showing the difference in air resistance of oval, square, and tear shaped objects when placed in an air-chamber, we are shown very vividly the efficacy and beauty of streamlining.

- So 5074 **Autogiro, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

E. D. Rice, head of the autogiro company, explains Juan de la Cierva's invention: what keeps the plane aloft, how the blades turn automatically to exert a lifting force, how gravity keeps them revolving, how they are hinged, why they do not fold up like an umbrella. We then see a real autogiro taking the jumps on a racetrack at eight miles an hour, and lingering aloft in the same spot indefinitely in a twenty-mile breeze.

- \*So 312 **Beneficent Reprobate, The, or The Story of Ethyl Alcohol.** 1 reel, 1,600 feet.

A simple but scientifically accurate treatise on the uses and effects of alcohol in industry and in relation to the central nervous system of the human body. The film is in no sense a preachment but is a well-balanced evaluation of alcohol in the various uses to which it may be put and makes clear why it causes characteristic

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\*Included in Group Rental.



Nos.

effect when taken in beverages. The film is made in accordance with the principles of modern pedagogical practices.

- So 5091 **Black Giant, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Commander Dyott and his party go on an exploration trip to the Black Giant—a South American volcano, and are surprised by a violent eruption, the first in fifty years. Beautiful pictures of the mountains and the masses of smoke and lava, taken while the exploring party hasten to make their escape, are shown.

- So 5075 **Chicago Planetarium, The: Deutsches Museum in Munich, The** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The Chicago Planetarium: A marvel of science . . . Here we can examine at close range the amazing projector, which records the heavenly bodies in exact scale and proportion.

The Deutsches Museum in Munich: Charles R. Richards of the Museum of Natural History in New York guides us through nine miles or 360,000 square feet of fascinating exhibits covering every department of human knowledge. Scale and full-size models showing the development of locomotion, of agricultural instruments of astronomy, sections of U-boats, actual mining shafts, and 18th century apothecary shops. Oscar von Mueller, founder, is shown amidst his dream of years—a museum where the visitor can learn by actually operating the various models.

- So 5030 **Earthquakes.** 2 reels. Rental \$3.00 per day. (See Gutlohn Series, page 46.)

The seismological instruments and their use in the study of the cause, effects, and prevention of damage by earthquakes. Actual photographs of earthquakes serve to illustrate these various phases.

- \*So 1820 **Earth and Its Seasons, The.** 1 reel. Rental \$1.00 per day.

Why we have changes of seasons, Vernal and Autumnal Equinoxes, Summer and Winter Solstices. Vividly portrayed by photography, animated drawings and voice.

- \*So 1899 **Earth's Rocky Crust.** 1 reel. Rental \$2.00 per day. University of Chicago.

This film presents Geology in its dynamic aspects and aims to show that the forces now changing the face of

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\*Included in Group Rental.

Nos.

the earth are responsible for its present appearance. The basic fact of geology—the building up and breaking down of rocks and land forms—is graphically shown through presentation of the water cycle, the formation of rocks, and the crumbling of rocks. Animated diagrams, models and illustrative scenes are used in the film to present more clearly the subject matter.

So 5070 **Evolution.** 3 reels. Rental \$4.50 per day. (See Gutlohn Series, page 46.)

The story of our world and its inhabitants of land, sea, and air, from Creation to the present day.

\*So 344 **Fourth Kingdom, The.** 1 reel, 1,200 feet.

The story of Bakelite Plastics. Features, in turn, the numerous materials based on Dr. L. H. Baekeland's original discovery of phenol resinoid . . . molding materials, laminated products, synthetic resins for paints and varnishes, bonding resins for abrasive wheels, plywood and veneers, waterproof fabrics, denture resinoids, cements for bristle setting and lamp basing, and other special products.

\*So 1893 **Fundamentals of Acoustics.** 1 reel. Rental \$2.00 per day. University of Chicago.

The phenomenon of hearing and the modification of sound between the source and the hearer are emphasized in this film. The specific elements explained or demonstrated are velocity of sound, refraction, range of hearing, lowering intensity, attenuation in air, eliminating high and low frequencies, reverberation and focussing of sound. Extensive use is made of animation and sound effects. The film concludes by indicating advances in communication which have resulted from combining our knowledge of sound and of electricity.

\*So 1821 **Mysteries of Water, The.** 1 reel. Rental \$1.00 per day.

Water as a Chemical, a Food, and a Beverage. The action portrays water, the most common of nature's elements, as man's friend, as a worker, as a builder, and, in turn, as his enemy, a destroyer. Animated drawings are employed to clarify the action.

So 5076 **Origin of Motion Pictures and Photography, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Scenes show the birthplace of photography in England and the first camera ever used. Also the origin and inventor of the moving picture camera.

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\*Included in Group Rental.

Nos.

- \*So 1891 **Oxidation and Reduction.** 1 reel. Rental \$2.00 per day.  
University of Chicago.

The simultaneous process of oxidation and reduction is presented first by burning phosphorous and rusting iron under experimental conditions. Mercury rust is then decomposed to discover the component of air responsible for oxidation. Other examples of oxidation and oxidizing agents follow. The process of reduction is strikingly presented in the operation of the blast furnace, magnesium burning in dry ice, and thermite welding. Everyday examples of oxidation and reduction conclude the picture.

- \*So 1802 **Principles of Electro-Magnetism (Part 1).** 1 reel.  
Rental \$1.00 per day.

Electromagnetic phenomena. Relationship between current and magnetic fields: Coils and solenoids: practical applications. Electromagnetic induction: transformers.

- \*So 1800 **Principles of Magnetism (Part 1).** 1 reel. Rental \$1.00 per day.

Polarity: lines of force: reluctance and permeability. Magnetic induction: uses of magnets. Molecular theory of magnetization. Terrestrial magnetism.

- \*So 1892 **Sound Waves and Their Sources.** 1 reel. Rental \$2.00 per day. University of Chicago.

Demonstration and explanation of several types of sound sources. Transmission of sound waves through the air clearly visualized. Characteristics of sound waves, such as frequency, amplitude, wave length, fundamentals, harmonics, explained visually with acoustic accompaniment.

- So 5072 **Through Galileo's Telescope: Mt. Wilson Observatory.**  
1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Pictures of Galileo and the optic tube, invented by a Dutch spectacle maker, with which, by his observations of the movements of Jupiter and Venus, he proved conclusively the Copernican theory. His trial for heresy by those who wished to believe the earth the center of the universe and his final defiance, "And yet it moves."

In contrast to the crude optic tube of Galileo, we see the world's largest telescope and how it is operated. The one-hundred-inch Hooker reflector magnifies the

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\*Included in Group Rental.

Nos.

power of the eye 160,000 times, making objects that are nineteen light years away visible. We see sun spots and their size in relation to the earth and solar prominences 150,000 miles high.

- So 5071 **Tidal Theory of the Earth's and Moon's Creation: The Moon in Close-up.** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)

A graphic description of the earth's evolution with animated drawings showing this evolution according to the tidal theory compared to the nebular hypothesis. We see how the pull of gravity of a passing star caused tidal explosions in the sun that resulted in the birth of the earth and her sister planets, and the earth's change from her gaseous state of five billion years ago into the shrunken solid form she is now. There follows the story of the birth of the moon and what is happening to it.

A series of close-up pictures of the moon, taken at the McMath-Hulbert Observatory. These are said to be the only ones of their kind ever taken.

- \*So 1896 **Wearing Away of the Land, The.** 1 reel. Rental \$2.00 per day. University of Chicago.

Several important processes which result in the wearing away of the land at one place and the building up at another are vividly shown. Scenes taken all over the world show processes and formations which succinctly tell the story. How the land is affected by chemical decomposition of rocks, glaciers, wind and waves is presented. Scenes at Carlsbad Cavern illustrate the formation of caves, and animated diagrams and aerial views show how the coast line is changed by the waves of the ocean.

- \*So 207 **Wonder World of Chemistry.** 2 reels.

Scenes in Du Pont chemical plants and laboratories. The story of man-made rubber, of the chemical rainbow of dyes hidden away in coal-tar, and of many other contributions to better living. Scenes showing how plastics and rayon are made from cotton and a style show featuring the latest creations from man-made yarns.

- \*So 1900 **Work of Running Water.** 1 reel. Rental \$2.00 per day. University of Chicago.

The activities of the most effective agent of erosion—running water—is displayed and analyzed. Models and

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\*Included in Group Rental.

Nos.

scenes from all parts of the world show how running water wears away the land. Many picturesque results of erosion are analyzed. To illustrate stream deposits there is included an unusually complete sequence on the formation of deltas and flood plains. This is splendidly illustrated by sand table models and aerial scenes of the Mississippi bottom lands.

### GEOGRAPHY, HISTORY AND TRAVEL

*(Core Area Social Relations)*

- \*So 266 **Alaska's Silver Millions.** 1 reel, 1,200 feet.  
Animated maps showing Alaska's relation to the world, scenes of breath-taking grandeur, icebergs forming, salmon battling up the streams to their spawning ground, canneries speedily preparing and canning salmon for market.
- So 5079 **Bali.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
Map showing location of the island. Rice fields: cultivation by hand, planting, harvesting. Raising ducks, an important food. Fighting gamecocks; native babies. Pagodas; temples; a Brahman priest dispersing evil spirits. Native dancers in exotic costumes accompanied by a Balinese orchestra.
- \*So 1961 **Beautiful Czechoslovakia.** 1 reel. Rental 50c per day.  
Commonly known as the "Garden of Europe." An exceptional scenic of this beautiful but little known Democracy.
- So 5091 **Black Giant, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
Commander Dyott and his party go on an exploration trip to the Black Giant—a South American volcano, and are surprised by a violent eruption, the first in fifty years. Beautiful pictures of the mountains and the masses of smoke and lava, taken while the exploring party hasten to make their escape, are shown.
- \*So 1049 **Broken Barrier, The. (Panama Canal.)** 1 reel.  
A story of Panama: the building of the canal shown by pictures taken during its construction, and later of its operation. Atmosphere sequences of the ruins of Old Panama's civilization are entertainingly described by a world traveler.

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\*Included in Group Rental.

Nos.

- \*So 1050 **Commerce Around the Coffee Cup.** 1 reel.  
How foreign trade affects the individual. The coffee industry in Brazil used in conjunction with the United States automobile industry to illustrate how international commerce is carried on. Diagrammatic presentation of the method of arriving at a balance of trade.
- \*So 1895. **Development of Transportation, The.** 1 reel. Rental \$2.00 per day. University of Chicago.  
Transportation developments in the United States during the past 150 years. Physical barriers, spread of railroad network, and subsequent highway development are shown. Principal stages in the development of the locomotive and automobile are portrayed. Modern transportation devices including the airplane are shown in relation to their potentialities and man's utter dependence upon them.
- So 5080 **England.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
The country where age means centuries, not just years. We travel in Kent and York where the Romans first landed and where the walls and towers built by William the Conqueror and Edward I are still in use. Overhanging houses in the towns, thatched cottages in the villages, beautiful Minster Cathedral dominating the country for miles about. Along the banks of the Thames lined with beautiful summer homes and pavilions, we get an intimate glimpse of the life of the people and life on the river.
- \*So 830 **England's Coronation.** 1 reel.  
The Coronation ceremonies; procession to Canterbury Cathedral; the crowning of King George VI by the Archbishop of Canterbury; Princes and Peers pay homage to the King; crowning of the Queen; the return to Buckingham Palace. Troops from every part of the British domain march in procession. The Royal Family acknowledge cheers of the populace from the Palace balcony.
- So 5081 **Fallen Empire, (Haiti).** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)  
A travelogue of Haiti.
- So 5021 **Ford's Tribute to Edison: The First Air Meet.** 1 reel.  
Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
Henry Ford collected and preserved many landmarks in the life of Thomas A. Edison: Smith's Creek station,

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\*Included in Group Rental.

Nos.

where he was thrown from the train; the room where he learned to be telegrapher; houses from Menlo Park, New Jersey, among them Sarah Jordan's boarding house, the first house in the world to have incandescent lamps; and the laboratory where Edison put electricity to work for all mankind. His assistant, Francis Jehl, shows us the apparatus used in the invention of the incandescent lamps; and performs the original experiment on the first phonograph.

At St. Louis, in 1910, at the first air meet in this country, Teddy Roosevelt takes a ride in some of the first flying machines and meets their inventors.

So 5082 **France.** 1 reel. Rental \$1.50 per day.

(See Gutlohn Series, page 46.)

The magnificent chateaux of France which, since the Fifth Century, have helped to make her history: Chinon, where, in 1429, Joan of Arc appeared before Charles VII; Sully-sur-Loire, where Voltaire lived; Chenonceaux, which Henry II gave to Diane de Poitiers; Pierrefonda, the fortress which Napoleon bought for \$120.00 after the French Revolution; many others, showing the evolution of the residence from the stronghold. Closeups of interior—murals rose windows, Court of Honor, and the Hall of the Brave.

\*So 1152 **Glimpses of French Country Life.** 1 reel. Rental 50c per day.

For centuries there has been little change in the lives of the devout peasants of Brittany and Normandy. The church is the all-important hub of their existence and the old cathedrals are the solid evidence of their undying faith. Religious processions and a wedding ceremony are shown along with intimate scenes of home life, industry and market activities in the quaint French villages.

\*So 327 **Heritage.** 1 reel.

The early struggles of a pioneering race to bring to modern civilization a heritage of a world enlightened and steadily advancing in everyday living, is the story told in this unusual one reel short. Extremely interesting and entertaining.

So 5083 **Holy Land, The** 1 reel. Rental \$1.50 per day. ( See Gutlohn Series, page 46.)

Scenes of the life and customs of the Holy Land, which have changed little in 2,000 years.

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\*Included in Group Rental.



Nos.

- So 5089 **Isle of Spice.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

On the island of Ceylon, the people are busy fishing, making lace, gathering cocoanuts, etc. A native dance to native music. ("Vagabond Adventure Series.")

- So 5084 **Italy.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

From Venice to Rome through San Gimignano; that 13th century town with its feudal towers, beautiful in proportion, looming above the surrounding hill country, as thrilling in their beauty as the skyscrapers of Manhattan. Down the Tiber to the Eternal City with its fountains and sculpture and the mellowness that comes with age. The caverns of Postunia Grotte in Trieste, ten miles deep, a world of lurking demon shapes, where Dante got inspiration for the Divine Comedy.

- So 5088 **Land of the Eagle.** 1 reel. Rental \$1.50 per day.

Coffee plantations of Guatemala; beautiful old churches and convents; inhabitants in native costumes, weaving, making pottery, washing clothes, and other customs. ("World on Parade.")

**March of the Movies.** 2 large reels, 2,400 feet. Rental \$10.00 per day.

The development of motion pictures, from the time of Rameses to the perfected sound films of today, including the Egyptian Zoetrope, the Kinematograph, the Cinematoscope, the Kinetoscope, the Mutoscope. Outstanding stars of the silent motion pictures: John Bunny and Flora Finch, Mary Pickford, Mabel Normand, Lillian Gish, Lionel Barrymore, Mae Marsh, Sidney Drew, in "shots" from their first pictures; scenes from "The Birth of a Nation"; also, "shots" of Charles Ray, Rudolph Valentino, Milton Sills, Charlie Chaplin, Lloyd Hamilton, Wm. S. Hart, Dorothy Gish, Dick Barthelmes, Harold Lloyd, Polly Moran, Marie Dressler, Louise Fazenda, Buster Keaton, and Lon Chaney.

- \*So 1151 **Nassau in the Bahamas.** 1 reel. Rental 50c per day.

A travelogue of Nassau.

- \*So 1966 **News Parade of the Year, (No. 3).** 1 reel. Rental 25c per day.

A real life dramatization of the events which made history during 1937.

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\*Included in Group Rental.

Nos.

- So 5090 **Norwegian Sketches.** 1 reel. Rental \$1.50 per day.  
(See Gutlohn Series, page 46.)

The beautiful scenery of Norway—mountains, fjords, rivers, valleys, with an accompaniment of Norwegian music.

- \*So 1970 **Old Time Movies No. 1, Yesterday Lives Again.** 1 reel.  
Rental 25c per day.

Priceless historic films brought to life again from negatives taken thirty years ago. Lillian Russell, Andrew Carnegie, William Jennings Bryan, Teddy Roosevelt, Caruso, The Kaiser. Sinking of an Austrian battleship, etc.

- \*So 1005 **Our Wildlife Resources.** 2 reels.

Many forms of wild life, ranging from quail and ducks to grizzly bears and moose, are shown in their natural habitat, and the efforts that are being made to preserve the wild life of America are explained.

- So 5019 **Presidents of the United States, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Our presidents since the beginning of the movies: McKinley, the day before his death in 1901; intimate views of Teddy Roosevelt, Taft, Wilson, Harding, Coolidge, and F. D. Roosevelt.

- \*So 1960 **Proudest Americans.** 1 reel. Rental 50c per day.

The fast disappearing tribe of American Indians who live in the tangled marshes of South Florida, known as the Everglades. These natives have never bowed their heads in submission to the government. They make their own laws and mete out punishment to those members who infringe the laws of the tribe. They fish and hunt in the wild section where they live and respect no game laws of the white man. The film depicts their every-day life.

- So 5087 **Saar, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The little-known mining town, between Germany and France, on the River Saar; street scenes, iron and steel mills, etc.; children, in native costumes, sing. ("Vagabond Adventure Series.")

- \*So 1962 **Spain, Yesterday and Today.** 1 reel. Rental 50c per day.

Contrasting the Spain of yesterday with that of today.

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\*Included in Group Rental.

Nos.

- \*So 1051 **Spirit of the Plains.** 1 reel.  
An epic of our national progress from the days of Indian fighting to the modern period of agricultural and industrial development. This is the story of America in the making. Scenes from the screen success "The Plainsman."
- \*So 328 **There's Only One, the Nation's Capital.** 1 reel.  
This subject presents the beauties, historic interest, and lovely scenery of the city of Washington. With the eyes of the world focused upon our Nation's Capital this timely travelogue will prove extremely interesting.
- \*So 254 **This Changing World.** 1 reel.  
Compares old and new methods of civilization and shows how nickel and its alloys create luxuries.
- So 5020 **Tuskegee Institute: Edgar Guest.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
Richard B. Harrison "de lawd" in "Green Pastures," tells us the history of Tuskegee Institute, the negro college founded by Booker T. Washington in 1881. The Tuskegee choir, famous for its spirituals, sings throughout the film.  
Edgar Guest, America's most prolific poet, who has written a poem a day for years, reads his 10,000th poem.
- \*So 1959 **Venice and the Glass-Master.** 1 reel. Rental 50c per day.  
Various interesting and beautiful shots of the Grand Canal, Rialto Bridge, St. Marks and its myriad of pigeons, and the Palace of the Doges.
- \*So 300 **Water Lure.** 1 reel.  
Scenic and CCC work record in Warm Springs and Indian Springs State Parks, Georgia. Theme—importance of medicinal waters in cultural and recreational development of a country. Atmospheric shots of Warm Springs Foundation.
- So 5085 **West Indies.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
Curacao—Dutch architecture and Dutch influence transform this tropical island, just off the coast of Venezuela, into a little Holland. We sail up the grand canal visiting the salt marshes and the home of Simon Bolivar, famous South-American liberator. Then northward to Santiago, into this beautiful Cuban harbor from which one-fourth of the world's cane sugar is exported. We go

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\*Included in Group Rental.

Nos.

to San Juan Hill, then to a plantation where we see them make sugar. Then away to Bermuda, up Shinbone Alley and down Featherbed Lane past the homes of Eugene O'Neill, Mark Twain, and Tom Moore, by fields of lilies and onions, through Hamilton and St. George, and down to the ship's graveyard.

- \*So 1968 **World Parade No. 2, Exotic Egypt.** 1 reel. Rental 25c per day.

The story of the Nile. A pageant of ancient and modern religious and national customs.

- \*So 1969 **World Parade No. 3, Paris the Beautiful.** 1 reel. Rental 25c per day.

A fascinating pictorial record of life in the world's most colorful city. The Eiffel Tower, Champs Elysees, Cathedral of Notre Dame, Old Paris, the Seine.

- \*So 1967 **World Parade No. 1, Venice the Magnificent.** 1 reel. Rental 25c per day.

A most artistic picture of the Queen City of the Adriatic.

### HEALTH

(See Physiology, Health, and Hygiene)

### HOME ECONOMICS

(Core Area Home and Vocational Arts)

- \*So 256 **Forest Treasures.** 1 reel, 877 feet.

The fascinating story of the world's rare woods, in making furniture and decorations, from the time of the Pharaohs of Egypt to the latest luxury liners.

- \*So 1886 **Fungus Plants.** 1 reel. Rental \$2.00 per day.  
University of Chicago.

Growth and reproduction of various mushrooms illustrated by time-lapse photography and animation; molds and other fungi. The economic importance of these plants in their use as food, destruction of dead organic matter, their cause of disease in plants. The picture has an unusual aesthetic appeal.

- \*So 269 **Hat Parade.** 1 reel, 850 feet.

A comprehensive story of the hat industry. Beavers, hares, a great rabbit drive in Australia, the principal source of hatters' fur; a short history of Danbury, the "Hat City," and scenes of ancient methods. The ingenious and little known operations in the forming,

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\*Included in Group Rental.

Nos.

shaping and finishing of felts, straws, Panamas, boys' hats, millinery bodies—a complete story of “from fur to felt to fashion.”

## INDUSTRY, ENGINEERING AND MANUFACTURING

(Core Area Creative and Recreative Arts)

**\*So 317 Boulder Dam. 4 reels.**

A survey of the Boulder Dam project, from the first preliminary constructions, in 1931, until the present time. The problem of the Colorado River; hazardous conditions of surveying; blasting for railroads, highways, and power lines; excavating for the diversion tunnels; building cofferdams in record time; dumping concrete from eight-cubic-yard buckets suspended from cableways; the huge concrete mixing plant; rail skidways and cableway skips to transport men across the canyon; workmen tamping and spraying concrete after dumping; intake towers, spillways and drum gates; manufacturing huge 30-foot pipes to line tunnels. Boulder City, built in fifteen months to accommodate workmen and officials. The official picture of the Department of the Interior.

**\*So 1049 Broken Barrier, The. (Panama Canal.) 1 reel.**

A story of Panama; the building of the canal and its operation. Atmosphere sequences of the ruins of Old Panama's civilization are entertainingly described by a world traveler.

**\*So 1050 Commerce Around the Coffee Cup. 1 reel.**

How foreign trade affects the individual. The coffee industry in Brazil used in conjunction with the United States automobile industry to illustrate how international commerce is carried on.

Diagrammatic presentation of the method of arriving at a balance of trade.

**So 5026 Contacts. 4 reels. Rental \$6.00 per day. (See Gutlohn Sees, page 46.)**

A film on Aviation.

**\*So 263 Design and Construction of Three Small Homes at Bethesda, Maryland. 1 reel.**

Building of three different types of houses (from Bulletin 4 of the Federal Housing Administration), selecting the location, laying the foundation, raising the

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**\*Included in Group Rental.**

Nos.

walls, etc., to the finished product; explanation of the whys and wherefores of good construction.

- \*So 382 **Fifty-two Pay Checks Each Year.** 1 reel, 1,600 feet.  
The picture is based on the Nunn-Bush plan of paying factory employees a yearly salary, assuring them an income even during enforced shutdowns due to business conditions.

Produced entirely from an academic point of view. Dr. Stewart Scrimshaw, Professor of Economics and Industrial Relations, Marquette University, being thoroughly familiar with the aims and ideals of both management and employees, appears in the film and comments on what has been done.

Half of the picture is in dialogue sequences. The other half presents as commentator, Professor J. Manley Phelps, eminent teacher of Better English and Better Speech.

- \*So 256 **Forest Treasures.** 1 reel, 877 feet.

The fascinating story of the world's rare woods, in making furniture and decorations, from the time of the Pharaohs of Egypt to the latest luxury liners.

- \*So 344 **Fourth Kingdom, The.** 1 reel, 1,200 feet.

The story of Bakelite Plastics. Features, in turn, the numerous materials based on Dr. L. H. Baekeland's original discovery of phenol resinoid . . . molding materials, laminated products, synthetic resins for paints and varnishes, bonding resins for abrasive wheels, plywoods and veneers, water-proof fabrics, denture resinoids, cements for bristle setting and lamp basing, and other special products.

- \*So 332 **Great Oaks.** 1 reel.

How a great organization grew from one efficiently conducted store.

- \*So 269 **Hat Parade.** 1 reel, 850 feet.

A comprehensive story of the hat industry. Beavers, hares, a great rabbit drive in Australia, the principal source of hatters' fur; a short history of Danbury, the "Hat City," and scenes of ancient methods. The ingenious and little-known operations in the forming, shaping and finishing of felts, straws, Panamas, boys' hats, millinery bodies—a complete story "from fur to felt to fashion."

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\*Included in Group Rental.

Nos.

- \*So 331 **Hidden Values.** 1 reel, 800 feet.  
The various tests given to goods of every description, manufactured and sold.
- So 5025 **History of Aviation.** 3 reels. Rental \$4.50 per day.  
(See Gutlohn Series, page 46.)  
A comprehensive pictorial history of aviation, from the first flight of the Wright Brothers, at Kitty Hawk, N. C., to the epoch-making flight of the giant China Clipper.
- \*So 19 **Making Paving Brick.** 1 reel.  
Methods and machinery used in making brick pavements.
- So 5027 **Milk.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)  
This film shows the story of milk from the cow to the consumer. We see the elaborate precautions taken to safeguard the public from contaminated milk.
- \*So 330 **Monel Metal.** 1 reel.  
This story tells how science has kept apace with modern living in order to bring to us the necessary materials so important in the age of speed, comfort, and industries. A worthwhile educational short.
- \*So 603 **New Romance of Glass, The.** 2 reels.  
Shows how glass was discovered and contrasts the old method of glass-blowing with the modern method of making glass vessels by machinery.
- \*So 345 **Science Saves the Surface.** 1 reel, 686 feet.  
The story of man's war against the elements for the protection and preservation of his property. Dramatizes the role of science, in the past quarter century, in increasing the durability of paints, varnishes, and enamels by replacing natural gums with Bakelite synthetic resins. Describes all types of finishes from industrial maintenance to household protection, in understandable terms and makes clear to the public the part that the chemist plays in the improvement of modern, durable, more highly protective paints and finishes.
- \*So 258 **Sponge Fishing.** 1 reel.  
A good presentation of sponge fishing and of the preparation and grading of sponges for market.

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\*Included in Group Rental.

Nos.

- So 5028 **Steel.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

A dramatic picture showing the manufacture of steel from liquid pig iron to the finished product. We see the hardened steel being cut like cheese by a metal 1,000 times harder than itself. Liszt's "Mazeppa" forms a background that transforms this picture into a work of art as well as education.

- \*So 267 **Manufacture of Beaver Brand Steel Wool, The.** 1 reel. Growth of the Industry; processing machinery, packing and shipping.

- \*So 262 **Stop Silicosis.** 1 reel.

Animated cross-section of the human body, shows the nose and throat passages through which dust-laden air enters the lungs, causing silicosis. Hazardous conditions under which millions of American workers are employed; disablement from silicosis; practical control measures in use today—wet drilling, exhaust ventilation, wet sweeping, etc.

### LITERATURE AND ENTERTAINMENT

(Including Juvenile)

(Core Area Language Arts)

- \*So 1100 **Alice in Wonderland.** 1 reel. Rental 50c per day. Screen version of Lewis Carroll's classic for children, portrayed with beauty and imagination. Irving Berlin plays the piano while the magic figures dance through the looking glass.

### MUSIC

(Core Area Creative and Recreative Arts)

- So 5143 **Air For "G" String—Rhythmic Dance.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.) Music by symphonic orchestra. ("Musical Moods" Series.)

- So 5129 **Archaic and Unusual Instruments.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The evolution of our instruments from man's first crude attempts to organize sound; a musical mousetrap made of nails, a harmonica of bottles, through the precursors of the piano, the spinet, octavina and virginal,

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\*Included in Group Rental.



Nos.

down to the very latest attempt to improve on the piano, the nuance. Three noted musicians, Herr Sachs, Lotta Van Burn and Lester Donohue, demonstrate the various instruments.

- So 5142 **Ave Maria.** 1 reel. Rental \$1.50 per day. (See Gutlohn Seres, page 46.)

Beautiful organ solo, illustrated with scenes from Canterbury Cathedral. ("Musical Moods" Series.)

- So 5150 **Ballads of the Plains.** 1 reel. Rental \$1.50 per day. (See Gutlohn Seres, page 46.)

Carson Robinson and his Hill Billies play and sing: "Sagas of the Plains," "On the Range," and "Goin' Home."

- So 5149 **Blow, Bugle Blow.** 1 reel. Rental \$1.50 per day. (See Gutlohn Seres, page 46.)

Splendid exhibition by the San Gabriel American Legion Drum and Bugle Corps (California).

- So 5130 **Carrie Jacobs Bond.** 1 reel. Rental \$1.50 per day. (See Gutlohn Seres page 46.)

The songs of Carrie Jacobs Bond, sung by Ralph Kirby. The songs include "The End of a Perfect Day" and "I Love You Truly." Comments by Edwin C. Hill.

- \*So 1897 **Brass Choir, The.** 1 reel. Rental \$2.00 per day. The trumpet, cornet, etc. University of Chicago.

This picture presents the individual instruments of the brass choir—the cornet, trumpet, French horn, trombone, tuba, and their peculiar characteristics. Solo numbers represent the best compositions that have been prepared for the individual instruments. The ensemble gives a thrilling performance of the "March" and the "Pilgrims' Chorus" from "Tannhauser" by Wagner. A stirring picture to be enjoyed and appreciated by everyone.

- So 5131 **Walter Damrosch.** 1 reel. Rental \$1.50 per day. (See Gutlohn Seres, page 46.)

The world's music master explains how to begin a study of music, setting the example with his own grandchildren. We see and hear him broadcasting the scherzo from a symphony by Glazounow. Then we see sound as it is actually recorded and the interchange of vibrations as Mr. Damrosch plays up and down the scale in major and minor keys.

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\*Included in Group Rental.

Nos.

- So 5144 **Dance of the Hours.** 1 reel. Rental \$1.50 per day. (See Ghtlohn Seres, page 46.)

Beautiful scenery to interpret the varying moods of the different hours. ("Musical Moods" Series.)

- So 5133 **Stephen Foster.** 1 reel. Rental \$1.50 per day. (See Gutlohn Seres, page 46.)

The songs of this American composer are sung during the action of an appropriate playlet. Nancy McCord, John Huntley and the Plantation Singers render: "Uncle Ned," "My Old Kentucky Home," "Oh, Susanna," and "Old Black Joe."

- \*So 1893 **Fundamentals of Acoustics.** 1 reel. Rental \$2.00 per day. University of Chicago.

The phenomenon of hearing and the modification of sound between the source and the hearer are emphasized in this film. The specific elements explained or demonstrated are velocity of sound, refraction, range of hearing, lowering intensity, attenuation in air, eliminating high and low frequencies, reverberation and focussing of sound. Extensive use is made of animation and sound effects. The film concludes by indicating advances in communication which have resulted from combining our knowledge of sound and of electricity.

- So 5134 **Hungarian Rhapsody (Liszt) No. 2.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Played by the symphony orchestra of the Paris Conservatory of Music directed by Professor Oscar Fried.

- \*So 1890 **Jack and Jill in Songland.** 1 reel. Rental \$2.00 per day. University of Chicago.

After their historic tumble, Jack and Jill encounter a Song Man. He explains that his work is to catch the notes of elfin bands and put them down in permanent form. After causing a staff to appear, he explains its purpose. He leaves and the children gather the notes from a new melody and place them on the staff. The Song Man returns and assists Jack and Jill in setting words to the music. As a finale they sing the melody and the audience is invited to join.

- So 5147 **Kentucky Jubilee Singers (1).** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The following well-known spirituals and old plantation songs: "Old Kentucky Home," "Swing Low, Sweet

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\*Included in Group Rental.

Nos.

Chariot," and "Great Morning," sung by this outstanding organization of negroes.

- So 5148 **Kentucky Jubilee Singers (2).** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

The following well-known spirituals and old plantation songs: "Deep River," "Carry Me Back to Old Virginny," and "All God's Chillun," sung by this outstanding organization of negroes.

- So 5135 **Old Time Ballads (1).** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Here the Review Quartet renders "Hills of Home," an old cowboy song, Rachmaninoff's "Silence of the Night," and several Negro Spirituals.

- So 5136 **Old Time Ballads (2).** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Those early American Ballads familiar to all, "Home Sweet Home," "Silver Threads Among the Gold" and "Sweet Alice Ben Bolt" are sung by a quartet headed by Margaret Speaks. A brief history of each precedes its rendition.

- So 5137 **Old Time Ballads (3).** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Various groups sing the following songs of work and play: "Blow the Man Down," "Coal Belt Art," "Art Comes to Pole Cat Creek," and "Old Paint."

- So 5139 **Pagliacci Prologue: Aria from Barber of Seville.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

These two famous arias are sung by Richard Bonelli.

- So 5138 **Schumann-Heink: Sigmund Spaeth.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Mme. Schumann-Heink is here shown giving singing lessons to some of her star pupils. Following this, the world-famous contralto sings that beautiful favorite, Brahms' "Cradle Song." Dr. Sigmund Spaeth demonstrates at the piano how the "Art of Listening" enhances one's appreciation and enjoyment of music. We hear a change of key turn a wedding march to a funeral march.

- So 5145 **Singing With Singing Sam.** 1 reel. Rental \$1.25 per day. (See Gutlohn Series, page 46.)

Well-known radio star loses no potency of appeal when he puts his rich low voice into the service of the talking picture. Many old-time favorite tunes are offered, and

Nos.

the temptation of the audience to join in is well nigh irresistible.

- \*So 1892 **Sound Waves and Their Sources.** 1 reel. Rental \$2.00 per day. University of Chicago.

Demonstration and explanation of several types of sound sources. Transmission of sound waves through the air clearly visualized. Characteristics of sound waves, such as frequency, amplitude, wave length, fundamentals, harmonics, explained visually with acoustic accompaniment.

- So 5141 **Trees.** 1 reel. Rental \$1.25 per day. (See Gutlohn Series, page 46.)

In addition to a beautiful musical rendition of Joyce Kilmer's immortal poem, Jesse Crawford, at the organ, presents a fine medley of songs about trees.

- So 5140 **Violins and Cellos.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

J. C. Freeman, curator of the Wurlitzer collection, shows us the world's most priceless violins and cellos, worth millions of dollars—the oldest, built by Maggini in 1580, the most famous, built by Stradivarius in 1737 and worth \$75,000. Benno Rabinoff, noted violinist, and Benditzky, concert cellist, play while we see in closeup the skill of their fingering technique.

### PHYSIOLOGY, HEALTH, AND HYGIENE

(See also Athletics and Sports)

(Core Area Creative and Recreative Arts)

- \*So 318 **Behind the Shadows.** 1 reel.

A microscopic study of the tubercle bacillus; means of entrance into the body. Diagrams showing infected lung tissue. Stages of infection. Methods of cure and prevention.

- \*So 312 **Beneficent Reprobate, The, or The Story of Ethyl Alcohol.** 1 reel, 1,600 feet.

A simple but scientifically accurate treatise on the uses and effects of alcohol in industry and in relation to the central nervous system of the human body. The film is in no sense a preachment but is a well-balanced evaluation of alcohol in the various uses to which it may be put and makes clear why it causes characteristic effects

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\*Included in Group Rental.

Nos.

- when taken in beverages. The film is made in accordance with the principles of modern pedagogical practices.
- \*So 383 **Glimpse Behind the Doors, A.** 2 reels, 2,400 feet.  
Manufacture of drugs.
- \*So 1884 **Let's Open Our Eyes.** 1 reel. Rental 50c per day.  
The importance of combating syphilis and rendering its victims noninfectious early is stressed. Wasserman tests in all physical examinations and the importance of blood tests for syphilis in pregnancy are emphasized. Crimes for which syphilis is guilty—responsibility for the blindness of little children, a substantial percentage of all heart disease, many stillbirths and the death of many babies, and a big percentage of all insanity and paralysis—and how to prevent them.
- \*So 1048 **Mosquito—Public Enemy, The.** 2 reels.  
Discusses the mosquito as a pest affecting man and beast; varieties and life history; safeguards and methods of control.
- \*So 262 **Stop Silicosis.** 1 reel.  
Animated cross-section of the human body, shows the nose and throat passages through which dust-laden air enters the lungs, causing silicosis. Hazardous conditions under which millions of American workers are employed; disablement from silicosis; practical control measures in use today—wet drilling, exhaust ventilation, wet sweeping, etc.

## RECREATIONAL PROGRAMS

(Including Comedies)

*(Core Area Language Arts)*

- \*So 1101 **Africa Squeaks.** 1 reel. Rental 50c per day.  
Flip finds himself a hunted hunter in a parody on Darkest Africa horror pictures. (Flip the Frog Cartoon.)
- \*So 1100 **Alice in Wonderland.** 1 reel. Rental 50c per day.  
Screen version of Lewis Carroll's classic for children, portrayed with beauty and imagination. Irving Berlin plays the piano while the magic figures dance through the looking glass.
- So 5104 **Catfish Romance.** 1 reel. Rental \$1.25 per day. (See Gutlohn Series, page 46.)  
A turtle quartet sings "Sweet Adeline" and other well-known melodies, to the music of a catfish band. (Aesop Fable Cartoon.)

\*Included in Group Rental.

Nos.

- So 5103 **Down in Dixie.** 1 reel. Rental \$1.25 per day. (See Gutlohn Series, page 46.)

Topsy and Uncle Tom escape from Simon Legree (the dirty dog!) over ice-cakes all the way to the North Pole. (Aesop Fable Cartoon.)

- \*So 1102 **Fiddlesticks.** 1 reel. Rental 50c per day.

Flip accompanies Miss Fiddle Mouse on the piano at a Bugville concert. (Flip the Frog Cartoon.)

- \*So 1150 **W. A. Futter Curiosity No. 9.** 1 reel. Rental 50c per day.

Most interesting picturization of some of the little known curiosities of the world, including the largest and the smallest Bibles, singing trees, sacred cows.

- So 5101 **Grandfather's Clock.** 1 reel. Rental \$1.25 per day. (See Gutlohn Series, page 46.)

The stately "Grandfather's Clock" looks on while all the little clocks play games, jump rope, play football, etc. The tiny little clocks blow bubbles; the older ones go to school. (Toddle Tale Cartoon.)

- So 5100 **Little Bird Told Me, A.** 1 reel. Rental \$1.25 per day. (See Gutlohn Series, page 46.)

How Birdland was told "who stole the jam." Walter Winchell Bird gets out an extra. (Toddle Tale Cartoon.)

- So 5102 **Mad Melody.** 1 reel. Rental \$1.25 per day. (See Gutlohn Series, page 46.)

Cartoonland's master of music combines several well-known operas into a single offering that literally brings down the house. (Aesop Fable Cartoon.)

**March of the Movies.** 2 large reels—2,400 feet. Rental \$10.00 per day.

The development of motion pictures, from the time of Rameses to the perfected sound films of today, including the Egyptian Zoetrope, the Kinematograph, the Cinematoscope, the Kinetoscope, the Mutoscope. Outstanding stars of the silent motion pictures: John Bunny and Flora Finch, Mary Pickford, Mabel Normand, Lillian Gish, Lionel Barrymore, Mae Marsh, Sidney Drew, in "shots" from their first pictures; scenes from "The Birth of a Nation"; also, "shots" of Charles Ray, Rudolph Valentino, Milton Sills, Charlie Chaplin, Lloyd Hamilton, Wm. S. Hart, Dorothy Gish, Dick Barthelmes, Harold

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\*Included in Group Rental.

Nos.

Lloyd, Polly Moran, Marie Dressler, Louise Fazenda, Buster Keaton, and Lon Chaney.

- \*So 1970 **Old Time Movies No. 1, Yesterday Lives Again.** 1 reel.

Rental 25c per day.

Priceless historic films brought to life again from negatives taken thirty years ago. Lillian Russell, Andrew Carnegie, William Jennings Bryan, Teddy Roosevelt, Caruso, The Kaiser. Sinking of an Austrian battleship, etc.

- \*So 391 **Once Upon a Time.** 1 reel.

An animated cartoon with musical symphonies. Shows a fairy-land setting used to emphasize the need of safety on the streets. Well-known fairy tale and Mother Goose characters become involved in the present-day types of street and highway accidents through the machinations of two bad goblins—"Carelessness" and "Discourtesy."

- \*So 1103 **Puppy Love.** 1 reel. Rental 50c per day.

Flip's puppy girl-friend falls into the clutches of a dog-catcher. The rescue brings happiness to everyone but the dog-catcher. (Flip the Frog Cartoon.)

- So 5106 **Quintuplets, The.** 1 reel. Rental \$1.50 per day. (See Gutlohn Series, page 46.)

Movie record of these little girls. Portraying a typical day of fun and play and showing Dr. Dafee.

- So 5105 **Rasslin' Match.** 1 reel. Rental \$1.25 per day. (See Gutlohn Series, page 46.)

The famous radio stars, Amos 'N' Andy, lend their voices to the comic characters of the screen, in a lively "rasslin' match." (Amos 'N' Andy Cartoon.)

#### MISCELLANEOUS

- \*So 1898 **Overcoming the Limitations to Learning.** 1 reel, 1,073 feet. Rental \$2.00 per day. University of Chicago.

Based upon research and experimentation, this picture depicts methods of using the sound film in the classroom. Units of instruction at the intermediate, junior and senior high school levels are shown. The parts played by the teachers, the pupils, and the sound film are illustrated in the study of "Plant Growth," "Sound," "Work of Rivers," and other subjects. Because of the need for professional knowledge in this field, this picture will make a substantial contribution to classes in teaching method and in audio-visual instruction, as well as to teachers in service.

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\*Included in Group Rental.

**Not Included in Group Rental****CINEPIX PROGRAMS**

(Musical accompaniment, no dialogue)

Nos.

- So 4000 **Betsy Ross.** 5 reels. Rental \$5.00 per day.  
Story of the Revolution and the making of the first American Flag. Includes flags of 1812, 1865, 1891, and 1918.
- So 4001 **Birth of a Nation, The.** 11 reels. Rental \$10.00 per day.  
Sound version, released in 1934, of the original silent production of 1915.
- So 4002 **Across the World with Mr. and Mrs. Martin Johnson.** 9 reels. Rental \$9.00 per day.  
Travels of the Martin Johnsons in South Seas and Africa.
- So 4003 **Bottom of the World.** 4 reels. Rental \$4.00 per day.  
Story of an Antarctic expedition, showing animal and bird life.
- So 4004 **South Sea Adventures.** 6 reels. Rental \$6.00 per day.  
High adventures in the South Seas, with Mr. and Mrs. Gifford Pinchot and their son Giffy. Natives, animals, fish, birds, and flora. Replete with thrills, laughs, and romance.
- So 4100 **El Terrible Toreador.** 1 reel. Rental 50c per day.  
A Silly Symphony. Clever cartoon.
- So 4101 **In the Park.** 1 reel. Rental 50c per day.  
Charlie Chaplin Comedy—with his famous moustache, cane, and derby.
- So 4102 **Toodle—O—O.** 1 reel. Rental 50c per day.  
A clever marionette show, introducing Pepper the Pup and other characters.

**GUTLOHN SERIES (Sound)**

Listed under various subject headings.

**Single Bookings, \$1.50 Per Reel; 3 to 5 Bookings, \$1.25 Per Reel;  
More Than 5 Bookings (Series), \$1.00 Per Reel**



# SILENT

16 mm. Silent Motion Pictures

## AGRICULTURE

*(Core Area Home and Vocational Arts)*

### CROPS

Nos.

- \*369 **Civilization's Fabric.** 2 reels.  
The manufacture of cotton fabric, including methods of ginning, carding, drawing, weaving, and finished product.
- \*775 **Cotton—From Seed to Cloth.** 2 reels.  
Cotton growing regions of the world; picking, ginning, and marketing; cloth manufacture.
- \*955 **Land of Cotton, The.** 1 reel. Rental 50c per day.  
Portrays the story of cotton, from planting the seed to weaving the fabric. Includes typical scenes from the world's largest plantation, the most important cotton terminal, and one of the largest textile mills.
- \*17 **Marketing Cotton.** 2 reels.  
Coöperative cotton-marketing; the bale from the gin to the mill, or to the seaboard for export shipment.
- \*849 **Winged Warfare.** 2 reels. Commercial dusting of cotton by airplane for control of the boll weevil.

### DAIRYING, LIVESTOCK, AND MEAT PRODUCTS

- \*1 **Green Pastures.** 1 reel.  
Shows how and why forage on range is depleted by overgrazing and how stock should be distributed seasonally.
- \*353 **Kansas 4-H Club Exhibit, 1933.** 1 reel.  
Exhibit of prize-winning stock: hogs, calves, baby beef, etc. 4-H Club work.
- \*2 **On a Thousand Hills.** 1 reel.  
How to save range pasture by deferred and rotation grazing.

### FORESTRY AND GAME

- \*8 **Beavers at Home.** 2 reels.  
Beavers at work repairing dams and felling trees; beaver houses; studies of baby beavers.
- \*5 **Big Game and the National Forests.** 1 reel.  
Brings out the relation of the national forests to the preservation of big game and discusses management problems.

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\*Included in Group Rental.

Nos.

- \*61 **Forest Fires or Game?** 1 reel.  
An exposition of forests as a home for game, forest streams a home for fish. Forest fires and unrestricted hunting and fishing destroy both the occupants and the home.
- \*13 **Friends of Man.** 4 reels.  
A story picture designed to discourage the practice of "burning off." Includes spectacular scenes of forest fires.
- \*11 **Fur Industry in the United States, The.** 3 reels.  
A survey of the fur resources of the United States; the different types of fur farms; utilization of fur.
- \*7 **Game Bird Farming.** 1 reel.  
Shows how game-bird farming is conducted and how to control disease on game-bird farms.
- \*14 **It Might Have Been You.** 1 reel.  
Portrays a disastrous forest fire and shows what the Forest Service is doing to prevent such a catastrophe.
- \*15 **Lest We Forget.** .1 reel.  
A story of fire and flood—results in Southern California from a fire in the chaparral cover on the mountains followed by heavy rain.
- \*435 **Nimrods in Duckland.** 1 reel.  
On the wings of October's northern blasts come the ducks, pausing in their passage south to rest upon the broad bosom of the upper St. Lawrence. Here the camera joins a party of hunters in quest of these feathered prizes, and brings to you striking scenes of great flocks at rest upon the water and sweeping upward in flight, of hunters lying in wait behind their "blinds," shooting, hitting, missing, and intelligent retrievers glorying in their part of the sport. This film provides a living record of a day's shooting crammed into ten minutes of action.
- \*9 **Porcupine Control in the Western States.** 2 reels.  
Shows physical characteristics of the porcupine; damage done; control methods.
- \*6 **Regulated Deer Hunting.** 2 reels.  
Shows damage done by deer when they become too numerous, and methods of control.
- \*10 **Routing Rodent Robbers.** 2 reels.  
Shows why and how coöperative control of ground squirrels and prairie dogs is conducted.
- \*16 **We Can Take It.** 2 reels.  
Shows what the Civilian Conservation Corps is doing in California.

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\*Included in Group Rental.

## PESTS

Nos.

- \*456 **Flea Hopper.** 1 reel, 649 feet.  
Control of the flea hopper by dusting cotton with sulphur.
- \*65 **Why Moths Leave Home.** 1 reel.  
Shows damage done by clothes moths to fabrics, feathers, bristles, and upholstery and different methods of getting rid of this pest.
- \*849 **Winged Warfare.** 2 reels.  
Commercial dusting of cotton by airplane for control of the boll weevil.

## POULTRY

- \*447 **American Eider Duck, The.** 1 reel.  
How the American eider duck lives, nests, and breeds. How eiderdown is collected, cleaned, and made ready for use in the manufacture of eiderdown quilts and pillows. Bilingual titles (English and French).
- \*3 **Brooding and Rearing Chicks.** 2 reels.  
Designed to show up-to-date procedure in handling chicks in the brooder house.
- \*450 **Day in Duckland, A.** 1 reel.  
Modern commercial methods of rearing and fattening ducks, as carried on at the famous Brome Lake Duck Farm, Knowlton, Quebec.
- \*4 **Duck Farming.** 1 reel.  
Breeds of ducks; farm flocks; commercial duck farming on Long Island.
- \*905 **Happy Hen and Her Chicks.** 1 reel, 265 feet. Rental 25c per day.  
A hen and her chicks, a little girl, the family dog, and a beautiful sunset. Has pleasing continuity. The actual pecking, cracking open of the shells, and the tumbling out of baby chicks is shown clearly in unusual closeups.
- \*449 **Turkey Time in Manitoulin.** 1 reel.  
In recent years, Manitoulin Island, on the northern shores of Lake Huron, has become one of the foremost poultry breeding districts of Canada. The various phases of the commercial turkey industry in this section are portrayed.

## RURAL LIFE AND FARM ENGINEERING

- \*732 **Capping Nature's Finest.** 1 reel.  
Up-to-date methods for home canning.

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\*Included in Group Rental.

**MISCELLANEOUS AGRICULTURE**

Nos.

- \*676 **Miracles of Mulch Paper, The.** 1 reel.  
Shows how the use of "Gator Hide" mulch paper increases the garden yield and improves the plants.

**ART AND ARCHITECTURE***(Core Area Creative and Recreative Arts)*

- \*568 **Man's Greatest Heritage.** 1 reel.  
An excellent film on the art of writing. Our alphabet is man's greatest invention. This motion picture traces the steps in its development.

**ASTRONOMY***(See General Science)***ATHLETICS AND SPORTS***(See also Physiology, Health, and Hygiene)**(Core Area Creative and Recreative Arts)*

- \*432 **Battling with Muskies.** 1 reel.  
A sporting film replete with action, depicting a fishing trip in the lake district of Northern Ontario and containing thrilling views of expert anglers in action against the fiercest and largest of fresh water fish—the maskinonge.
- 879 **Davis Cup Team.** 1 reel, 375 feet. Rental \$1.00 per day.  
United States vs. Australia, North American Davis Cup Zone Finals, 1936, played on the courts of the Germantown Cricket Club. Adrian Quist of Australia vs. Wilmer Allison of the United States.
- \*973 **Gaucha.** 100-foot reel. Rental 10c per day.  
A Gaucha gives our cowboys an exhibition of trick riding, rope work, etc.
- \*435 **Nimrods in Duckland.** 1 reel.  
Hunting wild ducks in Canada proves to be a thrilling and exciting sport.
- \*426 **Ride 'Em Cowboy!** 1 reel.  
Calgary Stampede where many famous cowboys and riders compete in bronco busting, wild steer and horse riding, calf tying, bulldogging, and other contests.
- \*436 **Tenderfoot Trails.** 1 reel.  
The experiences of three city men who sought something new in the way of vacations on a "Dude Ranch" in the heart

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\*Included in Group Rental.

Nos.

of the Canadian Rockies. Mountain scenery; action views of cowboys riding wild, bucking horses, trail riding, angling for rainbow and cut-throat trout in glacial lakes and streams; a visit to a Cree Indian encampment.

- \*360 **Transatlantic Holiday, A.** 1 reel.

Sports and games aboard a Cunard liner.

- \*835 **Waikiki, Surfing—Famous Sport.** 100-foot reel.

All the thrills of riding the surf board.

- \*427 **When Winter Comes.** 1 reel.

The experiences of a party of tourists vacationing on a "dude ranch" in the heart of the Canadian Rockies.

- \*431 **Where Snowtime Is Joytime.** 1 reel.

Skiing, popular sport which has taken winter sport enthusiasts of the world by storm, as indulged in by members of the world's largest ski clubs in the snow-clad Gatineau Hills adjacent to Ottawa, Canada.

## BIOLOGICAL SCIENCE

(Including Nature Study)

(Core Area, Nature, Mathematics, and Science)

### ANIMALS

- \*842 **Animal Camouflage.** 1 reel.

Crabs, worms, caterpillars, toads, lizards, "walking stick," "praying mantis," and other animals employing protective mimicry.

- \*841 **Bre'r Rabbit and His Pals.** 1 reel.

Squirrels eating nuts. Close-up of a rabbit showing his incisors. Skeleton of the head to illustrate why rabbits are called "gnawers." Rabbit eating leaves. A snow-shoe hare. The cottontail. Jumping mouse. Prairie dog. Marmot. Woodchuck taking a long sleep.

- \*907 **Circus on Parade.** 100-foot reel. Rental 10c per day.

The Greatest Show on Earth in training quarters.

- \*813 **Hunters of the Great White North.** 1 reel.

Eskimos hunting seal and whale, netting birds. Eskimo sports. Views of native boats and weapons.

- \*451 **Hunting Dinosaurs in the Badlands of Alberta.** 3 reels.

An informative and educational subject dealing with the work of the Geological Survey in the Badlands of Alberta, Canada, with especial regard to palaeontological research and illustrating how the bones of dinosaurs and other animals, who lived millions of years ago, are located and

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\*Included in Group Rental.

Nos.

secured, later to be assembled for exhibition and scientific study.

- \*983 **Prowling Hedgehogs.** 100-foot reel. Rental 10c per day.  
The adventures of a hedgehog with other animals; the slug beetle, a cat, a dog, etc.
- \*975 **Strange Playmates.** 100-foot reel. Rental 10c per day.  
Various animals living and playing together.

## BIRDS

- \*929 **Baby Songbirds at Mealtime.** 1 reel. Rental 25c per day.  
Little songbirds and their eating habits. Parent birds feeding their nestlings: sparrow, linnet, canary, bullfinch, chaffinch, brown linnet, chickadee, long-tailed tomtit, European warbler, and marsh wren.
- \*437 **Birds of Bonaventure.** 1 reel.  
Glimpses of the famous Canadian bird sanctuary at Bonaventure Island in the Gulf of St. Lawrence and the various types of Canadian sea-fowl that nest in countless thousands on the cliffs of this picturesque home of birds.
- \*446 **Birds Rare and Fantastic.** 1 reel.  
Life and habits of the red-throated loon, the double-crested cormorant, and the common cormorant. Bilingual titles (English and French).
- \*854 **El Paisano—The Roadrunner.** 100-foot reel.  
The life of this strange bird, the Chaparral, showing the clever devices by which small lizards and other creatures elude him in his quest for food. Shows lizard dropping off section of his tail to foil this bird.
- \*445 **Fleet Wings.** 1 reel.  
Dealing with the life and habits of the Herring Gull, the Ring-billed Gull, and the Caspian Tern.
- \*444 **Home of the Birds, The.** 1 reel.  
The first of a series of films entitled "Canadian Sea Fowl" dealing with the north shore of the Gulf of St. Lawrence where many varieties of Canadian sea fowls make their home and breed their young in protected areas. The film includes glimpses of the scenery and inhabitants of this district. (Bilingual titles.)
- \*963 **Monarchs of the Air.** 100-foot reel. Rental 10c per day.  
The life story of an Imperial Eagle, from egg to maturity.
- \*448 **Nomads of the Ocean.** 1 reel.  
A camera party pays a visit to the land of countless common and rare sea fowl, on the northern shore of the St. Lawrence Gulf. The life and habits of the Puffin, Common

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\*Included in Group Rental.

Nos.

Murre, Ringed Murre, and Razor-billed Auk, and how they are protected under the migratory Birds Convention Act.

- \*965 **Study in Bird-Flight, A.** 100-foot reel. Rental 10c per day.

The flight of various birds photographed in slow motion.

- \*825 **Winter Visitors.** 1 reel.

Waterfowl which spend their summers in the North come southward for the winter: pelican, sandhill crane, Canada geese, snow goose, Hutchins's goose, whitefronted goose, grey geese, black brant, canvasbacks, whistling swan, brown pelican.

#### FISH AND SEA LIFE

- \*266 **Alaska's Silver Millions.** 3 reels.

Animated maps showing Alaska's relation to the world, scenes of breath-taking grandeur, icebergs forming, salmon battling up the streams to their spawning ground, canneries speedily preparing and canning salmon for market.

- \*962 **Alligator Round-Up, An.** 100-foot reel. Rental 10c per day.

Brazilian cowboys lasso and capture crocodiles and rob their nests.

- \*981 **Battling Shrimps.** 100-foot reel. Rental 10c per day. The peculiar habits of this little creature that lifts more than its own weight, and its fight for existence.

- \*432 **Battling with Muskies.** 1 reel.

A sporting film replete with action, depicting a fishing trip in the lake district of Northern Ontario and containing thrilling views of expert anglers in action against the fiercest and largest of fresh water fish—the Maskinonge.

- \*452 **Chicken of the Sea.** 2 reels.

Depicting the catch and production of Tuna Fish in the California industry.

- \*843 **Crayfish and Stickleback.**  $\frac{3}{4}$  reel.

The crayfish is of universal interest in zoology and nature study. Structure of the crayfish, surroundings, habits, and breeding. The stickleback is the only fish that builds a nest somewhat similar to that of a bird. The stickleback's peculiarities, its nest with the eggs in it, the male guarding it, and the lively family of little sticklebacks.

- \*908 **Fighters of the Deep.** 100-foot reel. Rental 10c per day. An encounter between an octopus and a crab.

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\*Included in Group Rental.

Nos.

- \*959 **Fighting Lobsters.** 100-foot reel. Rental 10c per day. A Lobster engages in a battle for life with a Panther Shark, an Electric Ray, and an Octopus.
- \*909 **Four Footed Dancers.** 100-foot reel. Rental 10c per day. Dance of a Salamander at the bottom of the sea.
- \*966 **Hermit Crab, The.** 100-foot reel. Rental 10c per day. Under-water study of the mutual household of a Crab and a Sea Anemone.
- \*936 **Jewels of the Sea.** 1 reel. Rental 25c per day. A study of Coelenterata. The beauty of these underwater scenes will appeal even to those not immediately interested in this branch of the animal kingdom. What seems to be a submarine garden is disclosed as a group of living animals. We see their leaf-like tentacles catching tiny fish. What seems to be a sea-anemone is shown to be a very peculiar marine worm.
- \*803 **Marine Freaks.** 100-foot reel. Interesting underwater shots of a rare and beautiful Turkey Fish of the South Seas, grotesque Sea Horses and a battle between two tropical fish.
- \*964 **Murderous Midget Fish, The.** 100-foot reel. 10c per day. Hand-sized sharp-toothed little demons—the Piranha of the Amazon River—devour a 140-pound waterhog in six minutes.
- \*967 **Sea Hare and the Atlanta, The.** 100-foot reel. Rental 10c per day. A photographic study of Water-Snails taken in the Mediterranean Sea.
- \*968 **Starfish, The.** 100-foot reel. Rental 10c per day. An amazing study of the Starfish, the enemy of the oyster banks.
- \*939 **Underwater Households.** 1 reel. Rental 25c per day. How the Paradise Fish cares for its young. Few fish pay any attention to their young, but those that do, provide a fascinating study. This picture records first the courtship of the Paradise Fish, the building of the nest of air-bubbles, and the protection of the young by the male.

## INSECT AND PLANT LIFE

- \*986 **Bees and Spiders.** 1 reel. Rental \$1.00 per day. Importance of the queen bee; stages of development of the workers; the pollen bags; magnification of the head, etc.;

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\*Included in Group Rental.



Nos.

swarming. The nest and web of the field spider; its mating habits; spinning the web.

- \*985 **Butterflies and Moths.** 1 reel. Rental \$1.00 per day.

Life history and metamorphosis of the monarch butterfly and the cecropia moth in detail, with some phases of transition in slow motion. The butterfly's tubed tongue; magnification of its wings; etc.

- \*960 **Camouflaged Death Traps.** 100-foot reel. 10c per day.

Plants which catch and kill insects as a means of subsistence, and a Sea Anemone which catches small fish.

- \*844 **Fly—Our Common Enemy, The.** 1 reel.

"The finest movie microscopic that has been produced" is what an eminent authority says of this subject. It is a motion picture study of the House-fly in which every stage of development from the egg to maturity is shown, magnified hundreds of thousands of times. A striking feature is the detailed study of the fly's marvelous eyes with their thousands of tiny lenses. Objects actually photographed through hundreds of these lenses are shown on the screen.

- \*969 **Honey Maker, The.** 100-foot reel. Rental 10c per day.

Diligent bees that convert nectar into honey.

- \*961 **Insect Engineers.** 100-foot reel. Rental 10c per day. The "Parasol Ant," a leaf-cutting ant living in South America and considered to be the strangest ant in the world.

- \*806 **Mosquito, The.** 1 reel.

The ponds and puddles where one or two hundred eggs are laid at a time; the hatching under water; the breathing tube, abdomen and thorax under a microscope; the larvae or "wigglers" feeding on animal and plant life, rising to the surface for air and moulting three times; the pupae or "tumblers" resting at the top of the water; the skin splitting, and the mosquito emerging and drying its wings.

- \*928 **Singing and Stinging.** 1 reel. Rental 25c per day.

This is the life story of the universal pest of humanity, the mosquito. In images hundreds of thousands times larger than natural size, the astounding make-up of both the gorgeously plumed male and the female, which alone does the stinging for the family, is presented on the screen where it can be studied in detail. How science is assailing the pest is shown, also the simple manner in which anyone can assist.

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\*Included in Group Rental.

Nos.

- \*937 **Traps For Insects: Insect-eating Plants and Animals.** 1 reel. Rental 25c per day.

A praying mantis catching and eating a grasshopper—also how this insect lays its eggs: how the pitcher plant traps ants and other insects: flies entangled in the sun-dew: the Venus fly-trap capturing a fly: and the chameleon at work with its limber tongue.

- \*805 **Wasps.** 1 reel.

The life history of mud-dauber and *Polistes* wasps; the building of their houses, stocking them with food, and laying the eggs; hatching of the young and the development from grub to wasp.

### MISCELLANEOUS BIOLOGICAL SCIENCE

(Including Microscopic Life)

- \*977 **Chameleon, The.** 100-foot reel. Rental 10c per day.  
A member of the lizard family that automatically matches its color with its surroundings.
- \*972 **Deadly Enemies.** 100-foot reel. Rental 10c per day.  
A fierce fight for life between two snakes.
- \*938 **Killing the Killer.** 1 reel. Rental 25c per day.  
The Cobra and the Mongoose. The snake charmers of India and their dancing cobras; the expanded hood of this deadly snake; capturing a rat. The mongoose attacks the cobra, gradually wears the snake out, and then breaks its neck.
- \*855 **Satan's Henchman—The Tiger Rattlesnake.** 100-foot reel.  
A thrilling film covering the vicious Tiger Rattlesnake and his way of life, and a meeting between a six-foot specimen and his enemy, man.

### BOY AND GIRL SCOUT WORK

(See Citizenship, Civics, and Government)

### CHEMISTRY AND PHYSICS

(See General Science)

### CITIZENSHIP, CIVICS, AND GOVERNMENT; VOCATIONAL GUIDANCE

(Core Area Social Relations)

- \*753 **America's Heritage—Boy Scout Picture.** 2 reels.  
The story of a day in camp with a troop of Boy Scouts.

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\*Included in Group Rental.

Nos.

Fire building, camping, trailing, life-saving and other activities assigned to them by their scoutmaster are executed loyally and efficiently.

- \*378 **Bad Master, The.** 1 reel.  
Fire hazards in the home, vividly portrayed.
- \*8 **Beavers at Home.** 2 reels.  
Beavers at work repairing dams and felling trees; beaver houses; studies of baby beavers.
- \*734 **Behind the Scenes in the Machine Age.** 3 reels.  
Human waste in industry, particularly as related to women workers; technological changes as a possible factor in unemployment; investigations by Women's Bureau of conditions of employed women and standards formulated to promote their welfare.
- \*5 **Big Game and the National Forests.** 1 reel.  
Brings out the relation of the national forests to the preservation of big game and discusses management problems.
- \*317 **Boulder Dam.** 5 reels.  
Construction of Boulder Dam, from start to finish, is described. Scenes of construction processes are explained.
- \*903 **Children's Airport Excursion.** 1 reel, 320 feet. Rental 25c per day.  
Forty-two children emerge from a modern school bus at an airport, and thrill at: fantastic looking radio equipment; typewriters that run themselves; airmail delivery methods; radiophone communication; planes taking off, and planes landing; huge hangars, and in them huge planes equipped with a maze of scientific instruments, etc.
- \*395 **Columbia Basin Project.** 2 reels. Grand Coulee Dam.
- \*830 **England's Coronation.** 1 reel.  
The Coronation ceremonies; procession to Canterbury Cathedral; the crowning of King George VI by the Archbishop of Canterbury; Princes and Peers pay homage to the King; crowning of the Queen; the return to Buckingham Palace. Troops from every part of the British domain march in procession. The Royal Family acknowledge cheers of the populace from the Palace balcony.
- \*379 **Everybody's Business.** 1 reel.  
A plea for more careful driving. Shows how some accidents happen and gives an interesting test of two cars driven across a city, one obeying traffic laws and one ignoring everything but speed. Interesting and illuminating.

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\*Included in Group Rental.

Nos.

- \*852 **Fire Protection.** 1 reel.  
Contrasts old and modern equipment and methods of fighting fires. Explains the operation of extinguishers, the principle of cooling, blanketing or smothering fires, and a lesson in fire safety.
- \*857 **First Aid—Life Saving and Resuscitation.** 1 reel.  
Demonstrations in water and (in slow motion photography), out of water, of various approaches and holds used in rescuing the endangered swimmer. Methods of resuscitation shown include use of the inhalator.
- \*333 **Follow The White Traffic Marker.** 1 reel.  
Illustrates the important part played by white traffic markers in center of the road—the ingredients and methods of making these markers, their utilization from coast to coast in the streets, highways, at school and railroad crossings, and at safety islands and curbinges.  
Shows safety signs which aid in preventing accidents: "Slow Dangerous Dip"; "Stop"; "Slippery When Wet"; "S Curve"; "School Caution Crossing."
- \*61 **Forest Fires or Game?** 1 reel.  
An exposition of forests as a home for game, forest streams a home for fish. Forest fires and unrestricted hunting and fishing destroy both the occupants and the home.
- \*13 **Friends of Man.** 4 reels.  
A story picture designed to discourage the practice of "burning off." Includes spectacular scenes of forest fires.
- \*7 **Game Bird Farming.** 1 reel.  
Shows how game-bird farming is conducted and how to control disease on game-bird farms.
- \*804 **Hats Off!—A Story of the Flag.** 1 reel.  
Designed to teach respect for the flag and to show, through a quick, visualized review of past history, what Old Glory stands for in the hearts of true Americans. From Betsy Ross and George Washington to Roosevelt and General Pershing, America's heroes "come alive" on the screen to teach a careless schoolboy a lesson in flag etiquette.
- \*902 **Home Builders at Work.** 2 reels, 850 feet. Rental 50c per day.  
Father, Mother, and four-year-old Son plan to build a home. Each home-building trade is shown at its work. Modern methods of construction are featured. The various stages of development are clearly discernible, with a very rapid but smooth growth evident. A satisfied and happy

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\*Included in Group Rental.

Nos.

family gather to enjoy their new fireside. The home, in color, with fresh red walkway winding, between young green things, to a friendly door, closes this fine educational picture. (Builders praise it highly.)

**\*14 It Might Have Been You.** 1 reel.

Portrays a disastrous forest fire and shows what the Forest Service is doing to prevent such a catastrophe.

**\*15 Lest We Forget.** 1 reel.

A story of fire and flood—results in Southern California from a fire in the chaparral cover on the mountains, followed by heavy rain.

**\*9 Porcupine Control in the Western States.** 2 reels.

Shows physical characteristics of the porcupine; damage done; control methods.

**\*723 Readin', 'Ritin', an' 'Rithmetic.** 1 reel.

Safer rides for children. Happy children, a pleasant teacher and friendly bus and trolley men make the safety lesson enjoyable.

**\*354 Red Robber, The.** 2 reels. Fire Prevention.

Features the large annual loss to farm homes from fires and the great danger of such fires to human life. It demonstrates conclusively the wisdom of fire prevention by the use of fire extinguishers.

**\*6 Regulated Deer Hunting.** 2 reels.

Shows damage done by deer when they become too numerous, and methods of control.

**\*10 Routing Rodent Robbers.** 2 reels.

Shows why and how coöperative control of ground squirrels and prairie dogs is conducted.

**\*342 Speaking of Safety.** 1 reel.

Safety education for children. Types of accidents that are likely to occur and how to avoid. Instructions in looking at traffic signals and following them. Examples of why children should not hook rides; play or ride bicycles in street.

**\*901 Studies About Communication.** 1 reel, 350 feet. Rental 25c per day.

Actual situation of forty school children in class and activity groups, working on: wireless and telegraph, radio, printing press and newspaper, carrying the mail, flag signals, signs and symbols, ancient writing methods, etc. (The joyful activity and interest of these children in their units of work can be appreciated only by viewing this fine example of present-day teaching technique.)

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**\*Included in Group Rental.**

Nos.

**\*16 We Can Take It.** 2 reels.

Shows what the Civilian Conservation Corps is doing in California.

**\*691 What's In a Dress.** 1 ½ reels.

Old problems in the dress industry and new ways of solving them. Legislative action and coöperative efforts of employers and employees, as responsible for the shorter hours and better wages now in force for most workers engaged in making dresses. In contrast are the scenes of sweatshop conditions and industrial home work which still prevail in some places. The possibility of solving these and other problems, such as seasonal unemployment, chiseling, and the speed-up system, through the help of all concerned—manufacturers, employers, workers, and consumers—is stressed. The interest of the Women's Bureau in this whole program affecting thousands of women wage earners is also featured.

**\*693 Within the Gates.** 2 reels.

The story of Dad's shirt, the part played by women in the country's mass production and business. It begins with the picking of cotton, follows it through the mills where raw cotton is turned into thread, then into cloth; goes to the factory where the cloth is turned into a shirt.

**GENERAL SCIENCE**—Astronomy, Chemistry, Geology  
(Physical Geography) and Physics

*(Core Area Nature, Mathematics, and Science)*

**\*824 Anthropology Exhibits in The University Centennial Exposition.** 1 reel.

Dr. J. E. Pearce explains the figure of a Comanche woman in the Central Exhibit; stone artifacts of Central Texas; shell, bone and stone ornaments; cross-section of a typical Central Texas "burnt rock mound"; three general culture levels or strata found in the large middens; a case of Texas pipes; a multiple burial; an exact copy of an Apache shield; specimens of Texas Indian pottery.

**\*926 Earthquakes.** 1 reel. Rental 50c per day.

The nature of earthquakes and their causes and effects. Types of wave motion accompanying earthquakes. Methods of recording and interpreting seismic phenomena.

**\*833 Geysers of the Yellowstone.** 100-foot reel.

The greater and lesser geysers spout and the comical "paint pots" gurgle. Old Faithful performs in her most glorious manner.

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**\*Included in Group Rental.**

Nos.

- \*980 **Invisible Forces.** 100-foot reel. Rental 10c per day.  
Capillary attraction and surface tension of liquids is demonstrated.
- \*978 **Kaleidoscope, The.** 100-foot reel. Rental 10c per day.  
Shows the many symmetrical figures reproduced in the Kaleidoscope.
- \*956 **Light of a Race, The.** 1 reel. Rental 50c per day.  
A historical account of artificial illumination which depicts, in successive scenes, the use of the flint, stick and groove, drill, and match to obtain fire; and the use of the torch, stone lamp, candle, oil lamp, gas lamp, and incandescent lamp as sources of light.
- \*979 **Magnetism and Electrons.** 100-foot reel. Rental 10c per day.  
Splendid demonstration of elementary physics.
- \*924 **Maker of Mountains.** 1 reel. Rental 50c per day.  
Showing four types of mountains and how they were made; by the folding of the earth's crust; by the faulting of the earth's crust, by rock resistance, and by volcanic flow.
- \*915 **Moon, A Motion Picture Journey to, The.** 1 reel. Rental \$1.50 per day.  
Includes a panoramic picture of sunrise and sunset phenomena in lunar craters, and an occultation of the Delta Capricorni by the moon. (Produced by the McMath-Hubert Observatory of the University of Michigan.)
- \*910 **Mount Etna on Fire.** 100-foot reel. Rental 10c per day.  
Graphic pictorial account of volcanic eruption.
- \*914 **Solar Eclipse of August 31, 1932, The.** 1 reel. Rental \$1.50 per day.  
Actual progress of the moon across the sun shown by stop-motion photography. When the eclipse is complete, the corona makes a striking and beautiful picture. A special shot of the solar prominences at the time of the eclipse is shown on an enlarged scale.
- \*974 **Sound Waves.** 100-foot reel. Rental 10c per day.  
Experiments showing how sound waves can be visible.
- \*940 **Sun and Its Influence on the Earth, The.** 1 reel. Rental 25c per day.  
A thorough study of the sun is presented in a series of unusual episodes. The nature of the sun is first investigated. Then we see: Sun spots and their effects, the cause and nature of an eclipse, the corona seen at that time, solar prominences, and more.

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\*Included in Group Rental.

Nos.

- \*925 **Volcanoes.** 1 reel. Rental 50c per day.

Quiet overflow types. Volcanoes having explosive eruptions. Products of volcanoes and life history of a volcanic cone. Subjects include Hawaiian volcanoes, the Palisades, a South American volcano, Mt. Vesuvius, and Mt. Lassen.

### GEOGRAPHY, HISTORY AND TRAVEL

*(Core Area Social Relations)*

- \*266 **Alaska's Silver Millions.** 3 reels.

Animated maps showing Alaska's relation to the world; scenes of breath-taking grandeur, icebergs forming, salmon battling up the streams to their spawning ground, canneries speedily preparing and canning salmon for market.

- \*811 **Along the Alaskan Coastline.** 1 reel.

Forests of spruce and hemlock; salmon fishing and canneries; ice breaking away from glaciers in the fjords; Kodiak, the old Russian capital; an old Russian Greek church still in use; silver fox farms; sealions on the rocky coast; coal strata and outcroppings along the shore; Aleut Indians in the Southwest; volcanic area of the "Valley of Ten Thousand Smokes"; wading through mud, pumice, and ashes to reach Mount Katmai.

- \*809 **America Goes Over.** 5 reels.

Official United States Government pictures of the World War, showing the American Expeditionary Forces.

- \*923 **America's Polar Triumph.** 2 reels. Rental 50c per day.

Admiral Byrd's flight to the North Pole. All of the steps in this perilous and adventurous journey are shown, the difficulties in getting the big Fokker plane across the ice floes of King's Bay; preparation at Spitzbergen, the base of supplies; visits from the Norge with Amundsen and Ellsworth aboard; and their greeting after Byrd's plane has successfully circled the pole.

- \*827 **Andean Trails.** 1 reel.

Scenes in Peru and other countries along the slopes of the Andes.

- \*308 **Big Bend of Texas, The.** 1 reel.

Illustrates and emphasizes geographical extent of State, shows oil and gas fields, Government helium plant, sulphur industry, C. C. work, ranching, and natural scenic wonders of the Big Bend Park.

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\*Included in Group Rental.



Nos.

- \*846 **By the Side of the Road.** 1 reel.  
English travelogue—Ann Hathaway's cottage, Stratford-on-Avon, and quaint rural scenes.
- \*439 **Camp Fires Among Snowpeaks.** 1 reel.  
A scenic film of a journey up the Bow Valley into Yoho National Park and Wilcox Pass, showing how alpinists at the top of the world make this ascent into territory hitherto unexplored.
- \*807 **Cannibals of the South Seas.** 100-foot reel.  
A most interesting picture showing the customs and ceremonial dances of these wild South Sea natives.
- \*829 **Caribbean Contrasts.** 1 reel.  
A travelogue of the Caribbean.
- \*837 **Cheese Market of Alkmaar, Holland, The.** 100-foot reel.  
Testing, tasting and weighing cheese before it is sent on its way to a hungry world.
- \*395 **Columbia Basin Project.** 2 reels.  
Grand Coulee Dam.
- \*443 **Daughter of the Glaciers.** 1 reel.  
Maligne Lake in Jasper National Park of the Canadian Rockies proves to be one of the most colorful of nature's masterpieces. Big timber, glaciers, snow-capped mountains, and huge precipices make this region one of the most impressive in the world.
- \*853 **Devil's Playground, The: Death Valley,** 200-foot reel.  
The Devil's Playground, by Indian legend, accounts for the making of Death Valley. Remarkable scenes of burned lava, "The Devil's Cornfield," sand storms, dangerous reptiles, and desert plant life.  
Enchanting scenes of tragic Death Valley, with its queer rock formations, mirages, dry lakes, bad water, and poison springs.
- \*812 **Down the Yukon River.** 1 reel.  
Lakes and glaciers at the source of the Yukon; riding a canoe down the rapids; Miles Canyon and White-horse Rapids; picturesque Indian burying grounds at Nulato with little houses built over the graves; traveling by dog team over the frozen river in winter; break-up of the ice in spring; fish wheels; natives catching salmon; Eskimo homes on the delta; herds of reindeer pasturing on the tundra; gold mining district near Nome; the cabin where Rex Beach wrote "The Spoilers."

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\*Included in Group Rental.

Nos.

- \*830 **England's Coronation.** 1 reel.  
The Coronation ceremonies; procession to Canterbury Cathedral; the crowning of King George VI by the Archbishop of Canterbury; Princes and Peers pay homage to the King; crowning of the Queen; the return to Buckingham Palace. Troops from every part of the British domain march in procession. The Royal Family acknowledge cheers of the populace from the Palace balcony.
- \*425 **Falling Waters.** 1 reel.  
A scenic film depicting many of Canada's most picturesque waterfalls with descriptive poetic titles from the works of famous nature poets.
- \*973 **Gauche.** 100-foot reel. Rental 10c per day.  
A Gauche gives our cowboys an exhibition of trick riding, rope work, etc.
- \*815 **George Washington.** 1 reel.  
As a gentleman of Virginia, leader of the colonial soldiers, the winter at Valley Forge, as President, etc.
- \*971 **George Washington.** 100-foot reel. Rental 10c per day.  
Animated clay model portraits of high lights in Washington's life.
- \*833 **Geysers of the Yellowstone.** 100-foot reel.  
The greater and lesser geysers spout and the comical "paint pots" gurgle. Old Faithful performs in her most glorious manner.
- \*826 **Guatemala.** 1 reel.  
Coffee plantations, natives, Guatemala City, sacred festival in honor of the Sun-God.
- \*933 **Hawaii The Beautiful.** 1 reel. Rental 25c per day.  
Waterfalls. Honolulu: street scenes, statue of King Kamehameha. Harbor and Waikiki Beach. Native dwellings. Ceremonial robes of the royal Hawaiian family. Coffee industry: picking berries, drying yards. Pineapple plantation. Tuna fishing at dawn. Manufacturing ukeleles.
- \*813 **Hunters of the Great White North.** 1 reel.  
Eskimos hunting seal and whale, netting birds. Eskimo sports. Views of native boats and weapons.
- \*834 **Isle of Marken, Holland.** 100-foot reel.  
Tourists arriving in the village; narrow ways; washday; full skirt and queer looking hats; hay making.
- \*831 **Japanese Cabaret, A.** 100-foot reel.  
Childlike entertainers play samisens and drums. Expressive feet perform the ancient dances of the Orient.

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\*Included in Group Rental.

Nos.

- \*832 **Japanese Table Manners.** 100-foot reel.  
This film shows the dainty darlings of Japanese night life using their "hashi" or chopsticks.
- \*840 **Kauai—Garden Island of Hawaii.** 100-foot reel.  
The Grand Canyon of Waimea, the famous Barking Sands, the Spouting Horn and other interesting sights.
- \*424 **Land of Evangeline.** 1 reel.  
Historic Minas region of Nova Scotia immortalized in Longfellow's poem, "Evangeline." Views of the scenery of this old Acadian land as well as glimpses of Evangeline's Well, Grand Pré, the old dykes, mighty Blomidon, and other famous landmarks.
- \*930 **Little Indian Weaver, The.** 1 reel. Rental 25c per day.  
Bah lives on a Navajo Indian reservation and learns from her mother the art of weaving in which the women of her tribe are so skillful. Bah wants the doll of the white child more than anything in the world, and her mother tells her she may weave a blanket to exchange for the coveted treasure at the Trading Post. When the trader refuses to take the blanket, darkness and despondency descend upon the little Indian girl but her friend, the trader's son, buys the doll for her with his savings. After this act of kindness, the Navajos accept the white boy as their friend and teach him many interesting bits of Indian lore and customs.
- \*924 **Maker of Mountains.** 1 reel. Rental 50c per day.  
Showing four types of mountains and how they were made; by the folding of the earth's crust; by the faulting of the earth's crust, by rock resistance and by volcanic flow.
- \*429 **Maritime Provinces, The.** 1 reel.  
Visits through Nova Scotia, New Brunswick, Prince Edward Island, and Cape Breton Island with the important cities and scenic spots of these districts.
- \*828 **Mexico.** 1 reel.  
Native life and activities illustrate latent possibilities as well as progress of this country.
- \*906 **Mexico—a Travelogue.** 1 reel. Rental 25c per day.  
Progreso, Vera Cruz, Mexico City, San Juan. Natives in simple costumes and on burros, driving their cattle. Women at heavy work. Markets, farmers and townspeople. Indians in gay clothes, Indian children, babies and mothers. Making tortillas.

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\*Included in Group Rental.

Nos.

- \*935 **Mexico of the Indians.** 1 reel. Rental 25c per day.  
Orizaba Mountains. Zapotec Indians, Mitla Temples. Tehuantepec natives. Narrow streets, the market place, ox carts, colorful costumes, the starched lace headdress called "hiupil," heavy necklaces, embroidered skirts and jackets. Religious parade. Indians of Tarascon Lake. Patzcuara. Fields of water hyacinths.
- \*430 **Mountaineering Memories.** 1 reel.  
Efforts to climb the tremendous glacier, Mount Asinibo'ne.
- \*839 **Niagara Falls.** 100-foot reel.  
Many views of the falls—the Maid of the Mist, and a view from beneath the falls.
- \*947 **People Who Live at the Equator.** 1 reel. Rental \$1.00 per day.  
How man has adapted himself to a tropical jungle environment. Tribal life on the Amazon River showing various industries such as preparation of wild rubber, lumbering, and commerce.
- \*951 **People Who Live by the Sea.** 1 reel. Rental \$1.00 per day.  
Life in the countries bordering the Mediterranean, Phoenicia, Egypt, Greece, Carthage, Rome and Spain, illustrating the influence of the sea upon man. Diagrammatic sketches and scenics show ancient Babylonian trade routes to the Western Hemisphere.
- \*948 **People Who Live in a Crowded Valley.** 1 reel. Rental \$1.00 per day.  
The influence of isolation and crowded conditions of life on the development of a people. Detailed study of life, dress, and occupation of the Chinese inhabiting the territory between the Pacific Ocean and the highlands of Tibet. Scenes from North China up the Yangtze River.
- \*949 **People Who Live in the Arctic.** 1 reel. Rental \$1.00 per day.  
How people have adapted themselves to rigorous cold. Eskimos' life; pulling a whale ashore for food and utensils; tundra; children at play; summer house; building boat frames from bone; skinning seal; preserving meat; caribou; gathering fuel; dog teams; seal hunt on ice floes; grinding ice packs; walrus; rounding up caribou herds; building ice fence and snow igloos. An arctic storm.

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\*Included in Group Rental.

Nos.

- \*945 **People Who Live in the Desert.** 1 reel. Rental \$1.00 per day.  
How man has overcome a hostile desert environment. City and country life of Arabs, Moors, Berbers, and Egyptians along the Mediterranean coast of Africa. Negro dwellers of the Sudan. Trip by caravan over the Sahara Desert during a terrific windstorm; oases and settlements of various nomadic tribes.
- \*950 **People Who Live in the Mountains.** 1 reel. Rental \$1.00 per day.  
Life in Switzerland, showing the effect of a mountain environment upon man. The Swiss Alps, glaciers, taverns, peasant life at home, industries, and picturesque cities.
- \*946 **People Who Live on Great Plains.** 1 reel. Rental \$1.00 per day.  
How life on a vast, fertile plain influences the development of a people. The Argentine; Indian huts, ranch houses, railroad construction, sheep raising and shearing, grain fields; and scenes of Buenos Aires.
- \*976 **Quaint Holland.** 100-foot reel. Rental 10c per day.  
Kaleidoscopic imagery in the land of dikes and windmills.
- \*428 **River of Deep Waters.** 1 reel.  
The Saguenay River of Canada from Montreal to Chicoutimi.
- \*982 **Spreewald, The.** 100-foot reel. Rental 10c per day.  
The quaint customs and costume of this old Slavonic settlement near Berlin.
- \*934 **Story of The Star-Spangled Banner.** 1 reel. Rental 25c per day.  
Highlights in the career of Francis Scott Key from boyhood to the war of 1812. His imprisonment on a British frigate. The all-night battle of Fort McHenry at which Key was an agonized spectator. When dawn shows the American flag still waving over the fort, Key gives poetic expression to his relief by writing the national anthem.
- \*836 **Teak Logging with Elephants, in Siam.** 100-foot reel.  
The colossal toilers do intelligent teamwork on dry land and are equally efficient in the "sludgy-squdgy" creek.
- \*436 **Tenderfoot Trails.** 1 reel.  
The experience of three city men who sought something new in the way of vacations on a "Dude Ranch" in the heart of the Canadian Rockies. Mountain scenery; action views

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\*Included in Group Rental.

Nos.

of cowboys riding wild, bucking horses, trail riding, angling for rainbow and cut-throat trout in glacial lakes and streams; a visit to a Cree Indian encampment.

**\*113 Through Oil Lands of Europe and Africa—Germany, France, Spain, Morocco, and Algeria. 2 reels.**

Reel 1 shows the oil field at Wietze, Germany; Celle oil field; Pechelbronn field near Strassburg, Alsace, with drill in action, and production of oil by mining oil sands; docks at Havre, France; shipping of oil in Paris by barge on Seine and by truck. Reel 2 shows scenes in Madrid, and irrigation water wheel outside city, with peasants washing clothes; ancient gates at Toledo, panorama of city, and views of natives; the Alhambra at Granada, with close-up views of the richly-carved walls and ceilings; stripping bark from cork oaks and its transportation by carts and donkeys to manufacturing centers; Morocco seaport, Cueta, across straits from Gibraltar, and market place at Tangier. There are also views of Fez, capital of Morocco, Oran, Medjiliah oil fields near Tiluanet, and Mohammedan burial places, known as Tombs of Holy Men.

**\*114 Through Oil Lands of Europe and Africa—Italy, Hungary, The Danube, and Rumania. 2 reels.**

Reel 1, Naples, Mount Vesuvius, and harbor, and also oil field of Villeja, with 200 wells, south of River Po; wells of Montechino, Centro Pozzi, Salsomaggiore; view of glass-enclosed reservoir where mud, water, and gas are separated from oil; and views in Venice of Rialto, Rialto Bridge, Grand Canal, Ca'd'Oro palace, built in 1421, St. Mark's Cathedral, and Bridge of Sighs. Views are shown of market place of Mezokovesa, Hungary, Hungarian soldiers, people in fete-day costumes, floating mills in Danube River below Budapest with machinery driven by current, Trajan's road along the river bank, Island of Ada Kaleh, and famous Iron Gates at eastern end of Kazan Pass; transportation of oil from Rumanian fields on Danube by barge, oil port of Giurgiu, Rumania; and Russe across river. Reel 2 shows army encampment in Rumania, Rumanian village wedding, and making of mats and baskets from reeds grown in Danube swamps. Reel 3 shows supplies transported to oil fields by bullock wagons, field storage tanks of wood reinforced with reeds, gypsies, modern steel derricks at Balcoi field, Bustenari field with its many hand-dug wells, and women raising and lowering pipe by hand.

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**\*Included in Group Rental.**

Nos.

- \*800 **Tournament of Roses.** 100-foot reel.  
The New Year's Day floral parade at Pasadena, California, photographed in all its beauty.
- \*360 **Transatlantic Holiday, A.** 1 reel.  
Sports and games aboard a Cunard liner.
- \*89 **Transportation.** 2 reels.  
Shows methods of transportation, beginning with the sled, drawn and pushed by slaves under the lash, and then the development up to the high-powered electric locomotive.
- \*440 **Valley of a Hundred Peaks, The.** 1 reel.  
A film depiction of a trail ride into the Tonquin Valley, one of the most picturesque sections of Jasper National Park, Alberta, with interesting views of spectacular mountain scenery.
- \*835 **Waikiki, Surfing—Famous Sport.** 100-foot reel.  
All the thrills of riding the surf board.
- \*932 **Wanderers of the Arabian Desert.** 1 reel. Rental 25c per day.  
The picturesque, hardy, warlike Arab lives in the occasional stretches of fertile country in the Arabian desert. Here highly skilled horsemen breed and school the famous Arabian horse. Sheep and goats are herded in the hills. As they move from place to place the women load the camels with goat-hair tents and unload them when the move is over. Spinning, weaving, breadmaking, and other activities of these nomadic peoples are shown.
- \*838 **Waterfalls of the Yosemite.** 100-foot reel.  
The Silver Apron, Yosemite Falls and the glorious Bridal Veil.
- \*931 **Wee Scotch Piper, The.** 1 reel. Rental 25c per day.  
The story of Ian, son of a shepherd in the Scotch Highlands, who longed for a bagpipe. Sandy, an itinerant peddler, comes by. In the back of his cart is a sick lamb. The old Scotchman tells Ian that if he will nurse the lamb back to health, his pay will be a bagpipe. Ian takes the lamb home and nurses it back to health. One morning the lamb is missing. The shepherd dog discovers the lamb caught in a thorn bush. Ian rescues the lamb, and the next morning the peddler returns and presents a bagpipe to the lad. Down the road Ian goes joyously playing "The Campbells are Coming." The picture has scenes in the Highlands, in Edinburgh, Loch Lomond, and introduces the story of Robert Bruce.

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\*Included in Group Rental.

Nos.

**\*442 When Day Is Done.** 1 reel.

The sky is a blaze of color in the west, and, under its spell, the world lays aside its day's work to muse awhile in the stillness of dusk. Each sunset brings a new combination of colors, a different mood. The camera has caught and woven into a little picture poem these glories—old yet ever new—which come to thrill the soul of man when day is done.

**\*427 When Winter Comes.** 1 reel.

The experiences of a party of tourists vacationing on a "dude ranch" in the heart of the Canadian Rockies.

**\*431 Where Snowtime Is Joytime.** 1 reel.

Skiing, popular sport which has taken winter sport enthusiasts of the world by storm, as indulged in by members of the world's largest ski clubs in the snow-clad Gatineau Hills adjacent to Ottawa, Canada.

**\*434 Winter Witchery of Niagara.** 1 reel.

Incomparable beauty of Niagara Falls in winter. Frozen spray transforms the environs into fantastically shaped ice formations.

**\*920 Work Dogs of the North.** 1 reel. Rental \$1.50 per day.

Selected scenes of the beast of burden of the North. Dog-teams on a trail over rough ice and steep mountains. Care and feeding of the dogs. Dog-teams pulling canoes upstream in summer. Excellent Arctic scenes.

**\*310 Yellowstone National Park.** 2 reels.

The natural wonders of the oldest and largest national park in the United States, featuring the geysers, hot springs, and the magnificent canyon—"Old Faithful"—in all her glory.

**\*927 Yellowstone Wonderland.** 1 reel. Rental 25c per day.

East entrance to Yellowstone National Park. Highway scenes, Sylvan Lake, Fishing Bridge, Firehole Cascades, Old Faithful Geyser, Grotto Geyser, Riverside Geyser. Bear feeding grounds, "Holdup" bears in action, browsing moose, bison, grizzly bears. The Grand Canyon.

**HEALTH**

(See Physiology, Health, and Hygiene)

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**\*Included in Group Rental.**



**HOME ECONOMICS***(Core Area Home and Vocational Arts)*

Nos.

- \*732 **Capping Nature's Finest.** 1 reel.  
Up-to-date methods for home canning.
- \*601 **Magic Jar, The.** 1 reel.  
The evolution of preserving foodstuff, beginning with early methods of the cave man down to the present time.
- \*646. **Romance of Rayon.** 2 reels.  
The manufacture of rayon. The boys and girls can figuratively tramp through the heart of the spruce woods for trees, watch them felled and floated down to the mills to be processed, gather fluffy cotton and guide the immense machines that spin the threads and weave them into shimmering cloth.

**INDIANS***(Core Area Social Relations)*

- \*930 **Little Indian Weaver, The.** 1 reel. Rental 25c per day.  
Bah lives on a Navajo Indian reservation and learns from her mother the art of weaving, in which the women of her tribe are so skillful. Bah wants the doll of the white child more than anything in the world, and her mother tells her she may weave a blanket to exchange for the coveted treasure at the Trading Post. When the trader refuses to take the blanket, darkness and despondency descend upon the little Indian girl but her friend, the trader's son, buys the doll for her with his savings. After this act of kindness, the Navajos accept the white boy as their friend and teach him many interesting bits of Indian lore and customs.
- \*935 **Mexico of the Indians.** 1 reel. Rental 25c per day.  
Orizaba Mountains. Zapotec Indians. Mitla Temples. Tehuantepec natives. Narrow streets, the market place, ox carts, colorful costumes, and starched lace headdress called "hiupil," heavy necklaces, embroidered skirts and jackets. Religious parade. Indians of Tarascon Lake. Patzcuara. Fields of water hyacinths.

**INDUSTRY, ENGINEERING AND MANUFACTURING***(Core Area Creative and Recreative Arts)*

- \*74 **Asbestos.** 2 reels.  
Mining, cobbing, crushing, drying, sorting asbestos fiber and making asbestos yarn; spinning, weaving, grading as-

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\*Included in Group Rental.

Nos.

bestos tubing; asbestos roofing, manufacture of asbestos wood and electrobestos.

- \*432 **Battling With Muskies.** 1 reel. A sporting film replete with action depicting a fishing trip in the lake district of Northern Ontario and containing thrilling views of expert anglers in action against the fiercest and largest of fresh water fish—the Maskinonge.
- \*734. **Behind the Scenes in the Machine Age.** 3 reels.  
Human waste in industry, particularly as related to women workers; technological changes as a possible factor in unemployment; investigations by Women's Bureau of conditions of employed women and standards formulated to promote their welfare.
- \*389 **Broken Aro Mine.** 1 reel.  
Operations at the Broken Aro Mine.
- \*957 **Cat and the Kit, The.** 1 reel. Rental 50c per day.  
An animated picture, designed to promote the use of G-E Edison Mazda automobile lamps and to encourage the carrying of spare lamps.
- \*837 **Cheese Market of Alkamaar, Holland, The.** 100-foot reel.  
Testing, tasting and weighing cheese before it is sent on its way to a hungry world.
- \*452 **Chicken of the Sea.** 2 reels.  
Depicting the catch and production of Tuna Fish in the California industry.
- \*369 **Civilization's Fabric.** 2 reels.  
The manufacture of cotton fabric, including methods of ginning, carding, drawing, weaving, and finished product.
- \*395 **Columbia Basin Project.** 2 reels. Grand Coulee Dam.
- \*751 **Conquering the Jungle.** 1 reel.  
Transforming the wilds of Sumatra into a modern rubber plantation. Amusements and pastimes of the people are depicted in an interesting manner.
- \*316 **Corn, The Golden Grain.** 1 reel. Corn flakes.
- \*698. **Dependability, A Word That Grew Out of a Fact.** 1 reel.  
A picture proving the durability of the Dodge car.
- \*441 **Drive Is On, The.** 1 reel.  
An epic of the lumber industry when thousands of logs are driven down rivers to the mills.
- \*747. **Earth's Four Corners.** 1 reel.  
The story of man's journey to the four corners of the globe in an endless search for the components of the RCA

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\*Included in Group Rental.

Nos.

Radiotron; various processes of manufacturing RCA Radiotrons.

\*743. **East Meets West.** 1 reel.

The sericulture of silk in Japan and the manufacture of hosiery in this country.

\*153 **Evolution of the Oil Industry, The.** 3 reels.

Reel 1 traces development of petroleum industry from earliest times and emphasizes importance of petroleum to modern civilization. Shows building of Noah's ark, construction of temples by disciples of Zoroaster over petroleum seepages where the sacred flames were worshipped, use of petroleum pitch and oil by Babylonians in defense of their cities, burning of petroleum in sacrificial rites of Central American Aztecs; and utilization of petroleum for medicinal purposes by American Indians. Presents details of bringing-in Drake well, first producing oil well in America in 1859.

Reel 2 shows pioneer days of the American oil industry—difficult transportation of crude oil over bad roads, by teams of horses and wagons, and on creeks by barges floated by spring freshets to the Allegheny River where steamers awaited cargoes; "spring-pole" method of drilling; first use of kerosene as illuminating fluid; early use of petroleum as lubricant on trains; use of gasoline as fuel for internal-combustion engines, which marked beginning of automobile industry; successful laying of 4-mile pipe line in 1865.

Reel 3 shows transportation of oil by specially constructed tank ships, improvements in drilling methods—modern 2-ton "string" tool capable of forcing its way through earth and rock to depth of several thousand feet compared to tools weighing 300 pounds used by Colonel Drake; steel rigs sometimes reaching height of 136 feet compared to Drake rig 49 feet high. Pictures part played by petroleum during World War—its use in automobiles and army transport trucks, transportation of oil to Europe by tank ships. Shows pipeline pump station; panorama of oil storage tanks, many of 80,000-barrel capacity; modern refineries embodying latest improvements in refinery practice; use of fuel oil in Diesel engines, and, instead of coal, on steamships and railroads. Reel closes with animated map of United States showing location of 111,000 miles of pipe line, and gives, by animation, statistics on oil consumption for 1890, 1918, and 1931.

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\*Included in Group Rental.

Nos.

- \*695 **From Cocoon to Spool.** 1 reel.  
The silk industry showing all the life processes of the silkworm and the mills of the Corticelli Silk Company where the entire process of manufacture is shown.
- \*731 **From Desert Sands to Sparkling Glass Creations.** 1 reel.  
Portrays the making of glass, from start to finish.
- \*148 **From Mountain to Cement Sack.** 1 reel.  
Opens with familiar sight—boys watching cement being mixed. One of group later asks his father about portland cement and is directed to consult encyclopedia. Succeeding scenes picture most important of 80 processes involved in cement manufacture as explained to boy by manikin who steps from encyclopedia. Portland cement is defined and parallel drawn between bread baking and cement making. Views follow of quarrying, loading, crushing, and grinding of limestone and preparation of clay, slag, and shale. Just as bread is baked to make it edible, raw cement materials are “burned” in intense heat to produce clinker. Before use as cement the latter must, however, be ground and mixed with gypsum—a white material that regulates setting time. Tube mills are shown pulverizing mixture of clinker and gypsum fine enough to pass through sieve that holds water. Device is shown picking up sample for testing, and typical laboratory scene follows. Reel concludes with final steps in preparing cement for market—tying and filling sacks.
- \*393 **From Rags to Roofs.** 2 reels.  
The story of how asphalt shingles are made from rags, slate and asphalt.
- \*720 **From the Woods to the Mill.** 1 reel.  
The complete logging operations of the Red River Lumber Company, at Westwood, California.
- \*11 **Fur Industry in the United States, The.** 3 reels.  
A survey of the fur resources of the United States; the different types of fur farms; utilization of fur.
- \*729 **Golden Health.** 1 reel.  
The orange industry of California; contains an excellent health story.
- \*388 **Goodall Summertime.** 1 reel, 1,322 feet.  
Manufacture of men’s clothing.
- \*433 **Harvest of the Sugar Maple Tree.** 1 reel.  
Depicting life in the sugar bush, demonstrating the old and new methods of tapping maple trees, of gathering sap, of

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\*Included in Group Rental.

Nos.

transporting it to kettles; boiling in modern evaporators; bottling and canning maple sirup in the factory; a real old-fashioned sugar bush picnic.

\*385 **House of Dreams, The.** 1 reel.

Poor example with rusted gutters, screens, pipes, leaking roof. A model home with bronze and copper plumbing and screening, special roofing and weather insulating.

\*326 **Inner Tube, The.** 1 reel.

Various stages of construction of the Goodyear inner tube.

\*718. **Jewels of Industry.** 2 reels.

Science has, with nature's aid, combined such common materials as sand, sawdust, salt, and coke, and these, after a terrific heating process, produce sparkling crystals—Jewels of Industry. Scenes of Niagara Falls; the manufacturing plants where these abrasives are made; industrial plants where they are used in many ways.

\*955 **Land of Cotton, The.** 1 reel. Rental 50c per day.

The story of cotton, from planting the seed to weaving the fabric. Includes typical scenes from the world's largest plantation, the most important cotton terminal, and one of the largest textile mills.

\*601 **Magic Jar, The.** 1 reel.

The evolution of preserving foodstuff, beginning with early methods of the cave man down to the present time.

\*0157 **Making a V-Type Engine.** 2 reels.

This picture shows unloading of ore boat, storage of iron ore, charging and tapping of blast furnaces, hauling of molten iron, charging electric or air furnaces, adding alloys, building molds, and casting molten iron. Other scenes picture heat treatment and machining operations on various parts of the engine, as well as checking the finished parts for accuracy. The picture concludes with views showing assembly of the various parts to complete the engine, which is tested and placed in the chassis of an automobile.

\*438 **Making Money.** 1 reel.

A film trip through the Royal Mint at Ottawa, the capital of Canada, showing the various processes in the making of Canada's coinage.

\*681. **Man Made Miracles.** 1 reel.

Showing how the heart of a radio set is made. Dedicated to all small boys from six to sixty.

\*365 **Manufacture of Milled Toilet Soap.** 1 reel.

Making of high quality toilet soap from vegetable oils.

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\*Included in Group Rental.

Nos.

- \*398 **Mining of Sulphur in the Gulf Coast Region.** 1 reel, 1,200 feet.

Shows, by animated photography, how sulphur is melted, 1,000 feet below the earth's surface by superheated water and is forced, by compressed air, to the surface, where it is run into huge vats and solidified; also shows building of vats and blasting and loading of sulphur into cars. Shows how sulphur is used—for drugs, fumigating and bleaching in the preparation of dried fruits, in the rubber industry, in explosives, in the paper industry and for sulphuric acid.

- \*742 **Miracle of Corn, The.** 1 reel.  
Manufacture of breakfast foods.

- \*325 **Modern Coal Mining.** 1 reel.  
A tour, underground, where labor-saving machinery, electrically driven, has replaced the methods used for hundreds of years.

- \*156 **Nickel.** 2 reels.  
Reel 1 opens with a scene more than half a mile below the earth's surface, where nickel ore is being mined, loaded into cars, hauled to the bottom of the shaft, and crushed. Huge electric hoists bring the ore to the surface where it is crushed again, passed over a picking belt, pulverized in rod mills, concentrated by flotation, and smelted in reverberatory furnaces and converters. Scenes that follow show spectacular operations of drawing the slag and tapping a cupola furnace, also electrolytic refining and casting.

Reel 2 portrays the increased importance of nickel alloys, chiefly those with iron, steel, and copper. It shows the electric furnace in which the alloys are made, tapping the furnace, pouring into molds, and forging ingots. Other scenes portray handling of ingots, preheating of blooms, annealing furnaces, rolling mills, a pickling plant, and other incidental manufacturing operations. The film ends with several spectacular scenes showing how nickel is utilized in industry, in sports, and in the home.

- \*954 **Potter's Wheel, The.** 1 reel. Rental 50c per day.  
A study in industrial evolution, showing the manufacture of porcelain insulating parts for electric apparatus, including the mixing of ingredients, molding, turning, glazing, and firing in huge kilns.

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\*Included in Group Rental.

Nos.

**\*139 Refining the Crude.** 4 reels.

Reel 1: intricacy and magnitude of modern oil refinery; products obtained by refining petroleum; and their uses. Crude petroleum traced from oil well to refinery and through process of straight distillation. Reel 2: cracking process; refining of lubricating fractions; manufacture of chemicals used in refining process; chemical treatment of raw gasoline; and types of gasoline storage tanks. Reel 3: separation of wax from paraffin-base crudes; preparation of wax for market; refining of lubricating distillate. Reel 4: laboratory tests employed to control intricate refining process; safety, first-aid, and fire-fighting methods and equipment; building of refinery apparatus and shipment of refinery products to consumer.

**\*329 Research Paves the Way.** 1 reel.

This subject explains in a purely technical manner how science has kept step with the march of progress in developing new nickel alloys which will withstand the stress and strain of a world geared to high speed. For technical, engineering, and trade schools.

**\*603 Romance of Glass.** 2 reels.

Shows how glass was discovered and contrasts the old method of glass-blowing with the modern method of making glass vessels by machinery.

**\*646 Romance of Rayon.** 2 reels.

The manufacture of rayon. The boys and girls can figuratively tramp through the heart of the spruce woods for trees, watch them felled and floated down to the mills to be processed, gather fluffy cotton and guide the immense machines that spin the threads and weave them into shimmering cloth.

**\*687 Romance of Rubber.** 2 reels.

The cutting and clearing of the forest, preparation of the soil and planting, care of the young plant, budding, tapping for rubber, how latex (juice of rubber tree) is shipped to various factories for making into rubber goods.

**\*736 Silk Industry, The.** 1 reel.

From the cocoon to the finished product.

**\*144 Steel—Manufacture of Rails.** 1 reel.

Details in manufacture of rails, rods, and plates; final inspection, cutting, and finishing for market.

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**\*Included in Group Rental.**

Nos.

- \*145 **Steel—Manufacture of Wire Products.** 1 reel.  
Manufacture of wire products; preparation of rod; drawing of wire; galvanizing of wire; making wire fence; winding of wire; and cold rolling of flat stock.
- \*146 **Steel—Manufacture of Pipe.** 1 reel.  
Manufacture of pipe; rolling and cutting of blooms; rolling, trimming, beveling, and bending skelp into rough tube; lap welding; and inspection and testing of products.
- \*147 **Steel—Manufacture of Sheet Steel and Tin Plate.** 1 reel.  
Shows manufacture of steel sheets and tin plate and illustrates heating and rolling of bars into sheets, trimming, pickling, annealing, cold rolling, and coating with pure tin. Galvanized sheets are made similarly but coated with zinc.
- \*106 **Story of a Spark Plug, The.** 2 reels.  
First reel: operation and use of spark plugs in gasoline engines, fire trucks, airplanes, motor boats and tractors. Action of spark plug in cylinder and value of good insulator are shown by animated photography. Also depicts mining of sillimanite in California. Second reel: insulators machined to proper shape, glazed and baked, and completed insulators subjected to heat, chill, pull and electric tests; making of brass caps and electrodes, assembling, point setting and packing. Gives suggestions on proper operation of spark plugs.
- \*100 **Story of a Storage Battery.** 2 reels.  
Shows the uses of a storage battery, automobile starting and lighting, farmhouse lighting systems and radio; inspection of plates and testing of rubber cases for leaks, making of wooden cases for batteries. An animated drawing shows how the specific gravity of the electrolyte in a battery goes up and down as battery is charged and discharged.
- \*752 **Story of a Tire, The.** 1 reel.  
An interesting study in the manufacture of automobile tires—from the rubber and cotton plantations down through the various operations to the wrapping for shipment to the dealer.
- \*99 **Story of Gasoline.** 2 reels.  
An oil field, a tank farm, pumping station, view of oil refineries, etc.; chemical treatment of gasoline and final distillation; recovery of gasoline from natural gas by compression and condensation, with test laboratories on processes of distilling.

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\*Included in Group Rental.



Nos.

- \*120 **Story of Lubricating Oil.** 2 reels.  
Reel 1: importance of lubrication to machinery; stills used in separating various products from crude oil; animated drawings of operation of still; treatment of crude lubricating oil to remove impurities; removal of paraffin wax; separation of oil into various grades in reducing stills; filtration. Reel 2: bottom stock remaining after distillation of crude oil through treatment with chemicals to take out impurities, separation of petroleum by centrifuges, and blending of various grades and types of oils to make lubricants for every purpose; flash and viscosity tests in laboratory and application of correct lubricants to automobile, airplane, and Diesel engines.
- \*719. **Story of Monel Metal.** 2 reels.  
The various phases in the manufacture of Monel Metal and its many uses in industry and the home.
- \*453 **Story of My Life, The.—Shoemaking.** 2 reels.  
An elementary geography text film prepared by the Thom McAnn Shoe Stores, in coöperation with Rita Hochheimer, Assistant Director of Visual Education of New York City, and Emily Anson.
- \*364 **Story of Soap.** 1 reel.  
Manufacture of soap from the crude ingredients to the finished product.
- \*71 **Story of Sulphur, The.** 2 reels.  
Sources and deposits of sulphur; Frasch process; uses of sulphur, manufacture and uses of sulphuric acid, taken at Sulphur, Texas.
- \*756 **Story of the Airship, The.** 1 reel.  
The development of the airship, from free balloon to giant aircraft; the christening of the Los Angeles, the christening of the U. S. S. Macon, and views of the Graf Zeppelin.
- \*836 **Teak Logging with Elephants, in Siam.** 100-foot reel.  
The colossal toilers do intelligent teamwork on dry land and are equally efficient in the "sludgy-squdgy" creek.
- \*89 **Transportation.** 2 reels.  
Shows methods of transportation beginning with the sled, drawn and pushed by slaves under the lash, and then the development up to the high-powered electric locomotive.
- \*140 **Valves, Their Manufacture and Uses.** 3 reels.  
Reel 1 gives close-up views and cross sections of angle, globe, gate, and check valves, with salesman demonstrating use in home to his family. He explains how valves are

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\*Included in Group Rental.

Nos.

made, and his story is illustrated by scenes of manufacture at plant—mixture of tin, lead, and zinc for brass valves; charging into electric brass-melting furnaces; topping; pouring molten metal into molds; making cores; breaking molds; knocking cores out of castings; and sand-blasting castings.

Reel 2 shows machining of castings; assembling of valves; steam testing for leakage; and wrapping for shipment. Close-up views of automobile engine, with cross sections of poppet, butterfly, check, and gate valves; show 27-foot butterfly valve, largest made, controlling flow of water to great turbogenerators at powerful Conowingo (Md.) hydro-electric plant; and depict passage of ship through Panama Canal with 7-foot gate valve regulating water level in locks. Reel 3 pictures Roosevelt irrigation dam in Arizona, where gate valves hold back water and feed it to farming projects in desert; scenes in Oklahoma oil field, where valves are used to bring gushing oil well under control and handle flow of oil through thousand-mile pipe lines; Bureau of Mines plant at Amarillo, Texas, where helium is extracted from natural gas and valves are indispensable in controlling separation of helium from natural gas and in storing separated helium in tanks while awaiting shipment; large dirigible landing in front of Capitol in Washington; and fire engine subduing flames that threaten building, showing important part of valves in fire fighting.

**\*88 Water Power. 2 reels.**

Beautiful scenic pictures and animated drawings explaining how the energy of falling water may be utilized.

**\*691 What's In a Dress. 1½ reels.**

Old problems in the dress industry and new ways of solving them. Legislative action and coöperative efforts of employers and employees, as responsible for the shorter hours and better wages now in force for most workers engaged in making dresses. In contrast are the scenes of sweatshop conditions and industrial home work which still prevail in some places. The possibility of solving these and other problems, such as seasonal unemployment, chiseling, and the speed-up system, through the help of all concerned—manufacturers, employers, workers, and consumers—is stressed. The interest of the Women's Bureau in this whole program affecting thousands of women wage earners is also featured.

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**\*Included in Group Rental.**

Nos.

**\*693 Within the Gates.** 2 reels.

The story of Dad's shirt, the part played by women in the country's mass production and business. It begins with the picking of cotton, follows it through the mills where raw cotton is turned into thread, then into cloth; goes to the factory where the cloth is turned into a shirt.

**LITERATURE AND ENTERTAINMENT**

(Including Juvenile)

*(Core Area Language Arts)***\*929 Baby Songbirds at Mealtime.** 1 reel. Rental 25c per day.

Little songbirds and their eating habits. Parent birds feeding their nestlings; sparrow, linnet, canary, bullfinch, chaffinch, brown linnet, chickadee, long-tailed tomtit, European warbler, and marsh wren.

**\*356 Books—From Manuscript to Classroom.** 1 reel.

The motion picture story of a textbook; the typesetting, presses, trimming and all other processes in making a book are shown.

**\*846 By the Side of the Road.** 1 reel.

English travelogue—Ann Hathaway's cottage, Stratford-on-Avon, and quaint rural scenes.

**\*907 Circus on Parade.** 100-foot reel. Rental 10c per day.

The Greatest Show on Earth, in training quarters.

**\*973 Gaucho.** 100-foot reel. Rental 50c per day.

A Gaucho gives our cowboys an exhibition of trick riding, rope work, etc.

**\*878 Gilmore Circus Parade.** 1 reel, 210 feet. Rental \$1.00 per day.

A circus parade of balloon made animals which will delight children who are fond of Felix the Cat, Clarence, who like Topsy "just grewed," Mr. Ha. Ha., Captain Kid, and others.

**\*905 Happy Hen and Her Chicks.** 1 reel, 265 feet. Rental 25c per day.

A hen and her chicks, a little girl, the family dog, and a beautiful sunset. Has pleasing continuity. The actual pecking, cracking open of the shells, and the tumbling out of baby chicks is shown clearly in unusual closeups.

**\*930 Little Indian Weaver, The.** 1 reel. Rental 25c per day.

Bah lives on a Navajo Indian reservation and learns from her mother the art of weaving, in which the women of her tribe are so skillful. Bah wants the doll of the white child

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\*Included in Group Rental.

Nos.

more than anything in the world, and her mother tells her she may weave a blanket to exchange for the coveted treasure at the Trading Post. When the trader refuses to take the blanket, darkness and despondency descend upon the little Indian girl but her friend, the trader's son, buys the doll for her with his savings. After this act of kindness, the Navajos accept the white boy as their friend and teach him many interesting bits of Indian lore and customs.

Only one of these **Mickey Mouse** films may be ordered at one time.

- \*821 **Mickey and the Dog Catcher.** 100-foot reel.  
Mickey rescues his dog.
- \*970 **Mickey Enlists.** 100-foot reel.  
Mickey joins the army.
- \*820 **Mickey Goes Courting.** 100-foot reel.  
He calls on Minnie Mouse.
- \*819 **Mickey Goes Hunting.** 100-foot reel.  
The ducks laugh at him.
- \*816 **Mickey's Barn Dance.** 100-foot reel.  
All the animals dance.
- \*818 **Mickey's Barnyard Melodies.** 100-foot reel.  
Animals play musical instruments.
- \*817 **Mickey's Bicycle Race.** 100-foot reel.  
He wins the race.
- \*921 **Night Before Christmas.** 2 reels. Rental \$2.00 per day.  
Based on Clement C. Moore's famous poem.
- \*976 **Quaint Holland.** 100-foot reel. Rental 10c per day.  
Kaleidoscopic imagery in the land of dikes and windmills.
- \*426 **Ride 'Em Cowboy!** 1 reel.  
Calgary Stampede where many famous cowboys and riders compete in bronco busting, wild steer and horse riding, calf tying, bulldogging, and other contests.
- \*931 **Wee Scotch Piper, The.** 1 reel. Rental 25c per day.  
The story of Ian, son of a shepherd in the Scotch Highlands, who longed for a bagpipe. Sandy, an itinerant peddler, comes by. In the back of his cart is a sick lamb. The old Scotchman tells Ian that if he will nurse the lamb back to health his pay will be a bagpipe. Ian takes the lamb home and nurses it back to health. One morning the lamb is missing. The shepherd dog discovers the lamb caught in a thorn bush. Ian rescues the lamb, and the next morning the peddler returns and presents a bagpipe to the lad.

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\*Included in Group Rental.

Nos.

Down the road Ian goes, joyously playing "The Campbells are Coming," The picture has scenes in the Highlands, in Edinburg, Loch Lomond, and introduces the story of Robert Bruce.

### FILMS OF KNOWLEDGE

16 mm. Silent

#### "THE WEE ANNE SERIES"

Not included in Group Rental

Single bookings as listed. Entire series, booked in advance, \$8.00.

- 860 **"Wee Anne's Dog Sandy in Just a Dog's Day."** 1 reel, 150 feet. Rental \$1.00 per day.

This is the simple story of what Sandy does during the day. You see him getting out of bed in his night gown, getting his morning dip—playing tag with Wee Anne, dressed up "like a silly clown," and taken for a ride in the doll buggy—doing tricks—listening to the toy phonograph, and then saying his prayers and going to bed. This picture creates the desire for children to own a pet.

- 861 **"Wee Anne and the Snow Man."** 1 reel, 150 feet. Rental \$1.00 per day.

Bobby and Wee Anne go to the mountains to play in the snow. They are seen rolling the snow into big balls to make a snow man. They dress him up and give him a funny nose. Then they have a snow ball fight and a ride on the new Christmas sled. The teacher can explain about snow, and how we get our drinking water, etc.

- 862 **"Wee Anne Visits the Zoo."** 1 reel. Rental \$1.00 per day.

Wee Anne visits the zoo and sees foxes, peacocks, penguins, zebras, bison, deer, porcupines, prairie dogs, camels, elephant, tapir, otter, bears, polar bears, seals, pelicans, tigers, ducks, birds, gorillas, orang-outang. Here children get the opportunity to see the animals of the zoo by visiting it with Wee Anne. All the animals are shown with close-up views. A very good nature study film.

- 863 **"Wee Anne Visits the Farm."** 2 reels. Rental \$2.00 per day.

Wee Anne visits Stevie, the farmer's son. They ride on a hay rake. Watch mowing machine. Play on hay cocks. See Nellie, the farm horse. See rabbits, chickens, pigs. Help shock the grain and tie it into bundles. Play hide and seek in the grain shocks. Feed baby kids with nursing

Nos.

bottle. Bid good-bye to Rover, the dog. This is an authentic picture of work and life on a farm.

- 864 **"Wee Anne's Christmas."** 1 reel. Rental \$1.00 per day.

It is the story of Wee Anne and her Cousin Michael's Christmas—shopping for toys—gifts for the poor—hanging up their stockings—Santa Claus coming down the chimney and putting out the toys—then the joy of Christmas morning. A real Christmas story. It brings to the screen some of the religious significance as well as all the fun of Christmas. (Note: This picture is very popular during Christmas season, so we recommend an early booking.)

- 865 **"Wee Anne Sees the Indians."** 1 reel. Rental \$1.00 per day.

This is the story of Wee Anne visiting the Taos Pueblo. She is seen at Santa Clara and also at San Ildefonso Pueblo with Maria, famous for her black pottery. She watches the Indians separate corn, sees the outdoor oven, and looks into a Kiva. Also Wee Anne is seen with the Navajos at a real hogan on the Reservation. She sees an Indian blanket being woven. The film shows the life of the Southwest Indians. All this film is actually taken on these reservations and is authentic in every detail.

- 866 **"Wee Anne Goes Sailing."** 1 reel, 200 feet. Rental \$1.00 per day.

This picture is the story of what Wee Anne does when she goes to the Yacht Harbor. She rows a boat. She sees sail boats and motor boats and is taken for a sail on a Star sail boat. We see the sails being hoisted, lowered, furled and covered for the night.

(ANNE—of the "WEE ANNE SERIES")

- 867 **"Anne Visits Fish Harbor."** 1 reel, 200 feet. Rental \$1.00 per day.

This picture shows Anne and Bob watching Tuna Clippers coming into the harbor. They meet an old sailor who shows them the boats. They learn from him how Tuna fish are caught. Fishing scenes are shown on a tuna boat. Anne and Bob see the fish being unloaded at the harbor.

- 868 **"Anne Learns About Ocean Liners."** 2 reels. Rental \$2.00 per day.

The first reel of this picture is taken on the S. S. Lurline. It shows Anne being shown over the boat by the Chief Officer. She sees an automobile being loaded into the hold of the ship—and hatches being closed. She watches bags and trunks being hoisted on board. She sees the life-boats

Nos.

and learns something of how passengers live on ship-board. The vessel is seen sailing from the harbor with crowds on the pier, etc.

The second reel shows Anne and Bob visiting the S. S. Pennsylvania. Here they see a different type of passenger ship. The Captain shows the children how the boat's course is charted—and also how the sun is shot with a sextant. Bob visits the wireless room while Anne enjoys the playroom. Lifeboats are examined by the children and they put on life belts. This film also shows how the boat is fueled by an oil barge. A very instructive motion picture on ocean passenger ships.

- 868 **"Anne Learns About Cargo Boats."** 1 reel. Rental \$1.00 per day.

Anne rides on a Ferry Boat in San Francisco Bay where she sees the famous Golden Gate Bridge and the Bay Bridge. She watches an Ocean Freighter being loaded. She and Bob visit an Oil Tanker. They learn about the operation of a Fire Boat and see it in action. Some of the outstanding types of Cargo Boats are seen in this picture. Teachers will appreciate this film for giving the students a better understanding of ocean freight transportation.

## MEXICO

*(Core Area Social Relations)*

- \*828 **Mexico.** 1 reel.

Native life and activities illustrate latent possibilities as well as progress of this country.

- \*906 **Mexico—a Travelogue.** 1 reel. Rental 25c per day.

Progresso, Vera Cruz, Mexico City, San Juan. Natives in simple costumes and on burros, driving their cattle. Women at heavy work. Markets, farmers and townspeople. Indians in gay clothes, Indian children, babies and mothers. Making tortillas.

- \*935 **Mexico of the Indians.** 1 reel. Rental 25c per day.

Orizaba Mountains. Zapotec Indians. Mitla Temples. Tehuantepec natives. Narrow streets, the market place, ox carts, colorful costumes, the starched lace headdress called "hiupil," heavy necklaces, embroidered skirts and jackets. Religious parade. Indians of Tarascon Lake. Patzcuara. Fields of water hyacinths.

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\*Included in Group Rental.

**PHYSIOLOGY, HEALTH, AND HYGIENE**

(See also Athletics and Sports)

*(Core Area Creative and Recreative Arts)*

Nos.

- \*372 **Cultivation of Living Tissue.** 1 reel.  
Pictures the division and growth of single-celled organisms: yeast, amoeba, paramecium—many celled organisms: tissue cells.
- \*656 **Drinking Health.** 2 reels.  
This is an appeal for the necessity of exercising care in drinking water during summer months, emphasizing the need for using sanitary drinking cups. Some of the most beautiful water scenes are shown and the method of aeration of water is carefully portrayed.
- \*717 **Food and Growth.** 1 reel.  
Health and Nutrition Bureau experiment with white rats.
- \*729 **Golden Health.** 1 reel.  
The orange industry of California; contains an excellent health story.
- \*692 **Guardian of the Home.** 1 reel.  
A chemical film on antiseptic Dioxogen.
- \*904 **How Teeth Grow.** 1 reel. Rental 50c per day.  
The order of formation and eruption of the temporary and permanent teeth is demonstrated by animation, models, and subjects of various ages.
- \*822 **How to Live Long and Well.** 1 reel.  
Illustrates simple rules for healthful living. Shows value of fresh air, sunlight, and plenty of pure water. Shows value of varied diet and vitamins, and the need of a clean mind and body. Also stresses the value of a periodic physical examination.
- \*558 **Inside Out.** 1 reel.  
The whole digestive process is shown—work of the teeth, saliva, oesophagus, stomach, intestines; results of clogging digestive tract thoroughly explained; need for exercise and balanced diet stressed. Excellent use of animated diagrams.
- \*313 **Kolynos Dentifrice.** 1 reel.  
The manufacture of Kolynos Tooth Paste, from ingredients brought from many lands.
- \*150 **Learn and Live. (Value of First Aid.)** 1 reel.  
Safe and unsafe attitudes, methods, and practices in a mine. Swimming near-tragedy and resuscitation.

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\*Included in Group Rental.



Nos.

- \*847 **Milk for You and Me.** 1 reel.  
A 4-minute film—for use in Milk-for-Health week campaigns. Shows persons of all ages and of all walks of life drinking milk.
- \*690 **Mouth Health.** 1 reel.  
Toothbrush drill. Dentist demonstrates the correct use of a Pycopé package.
- \*850 **Nature—Builder of Teeth.** 1 reel.  
Development of teeth, from birth to adulthood; part teeth play in facial development.
- \*984 **Posture.** 1 reel. Rental \$1.00 per day.  
West Point cadets on parade; natural position of the feet; fallen arch; effects of shoes; correct posture; corrective exercises for posture defects.
- \*390 **Preventing Blindness and Saving Sight.** 2 reels.  
Shows the causes of blindness, and the simple precautions which, if observed, will preserve the vision of many people.
- \*733 **Priceless Pearls.** 1 reel.  
A film on the care of the teeth.
- \*823 **Rat Menace, The.** 1 reel.  
A forceful, educational picture, showing the habit of the rat, how rats spread disease, damage millions of property, and how to exterminate them.
- \*361 **Seeing How You See.** 1 reel.  
Comparison of eye with scientifically ground lens of camera—showing distortion of true vision—result of eye defects.
- \*928 **Singing and Stinging.** 1 reel. Rental 25c per day.  
The life story of the mosquito.  
This is the life story of the universal pest of humanity, the mosquito. In images hundreds of thousands of times larger than natural size, the astounding make-up of both the gorgeously plumed male and the female, which alone does the stinging for the family, is presented on the screen where it can be studied in detail. How science is assailing the pest is shown, also the simple manner in which anyone can assist.
- \*814 **Teeth.** 1 reel.  
Growth, structure, and care.

## MISCELLANEOUS

- \*810 **Teaching Beginners How to Typewrite.** 1 reel.  
This film clearly illustrates the fundamentals of correct typewriting technique. Generous use of the close-up and

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\*Included in Group Rental.

Nos.

slow-motion gives every student in the class a definite impression of proper position and action.

- \*900 **Teaching With Motion Pictures.** 1 reel. Rental \$1.00 per day. (Third reel of "Overcoming the Limitations to Learning.") (Also in sound.)

Effective techniques for utilizing the film in the classroom, with actual scenes from the classroom. University of Chicago.

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\*Included in Group Rental.

## FOR THE IMPROVEMENT OF SOUND-ON-FILM PROJECTION

Efficient projection of talking motion pictures depends on the careful handling of the Sound film.

**Caution.** Never attempt to run a "sound" film on any other than a sound projector. Irreparable damage to Sound Film will result from running it on a "silent" projector.

The beam of light in the sound head is so fine, and the photo-electric cell so delicate, that every grain of dust on the sound track or the least scratch in the emulsion will cause magnified, unnatural noises and a distortion of the sound.

The film should never be pulled tight, or "cinched" on the reels. When this is done, each layer of film slides on the next and dust particles scratch the emulsion and damage the sound track.

**Keep the film gate clean.** As the film passes through the gate, a certain amount of emulsion is scraped off which, if allowed to accumulate, forms a hard scale on the guides. Sometimes the friction of this scale is so great that the perforations of the film are torn by the intermittent trying to feed the films thus tightly held.

**When the film breaks.** If the film should break stop the machine immediately to prevent injuring the film. Rethread the remaining portion, putting the tip end of the rethreaded part far enough under the loose end of the previously projected film on the take-up reel so that the loose end of the projected portion will lap over the tip at least one complete revolution of the lower reel, and thus hold it securely when the projector is started again.

**Make no splices in sound films.** Breaks in the films will be repaired by the Bureau, where the splices will be properly opaqued. Should the film be mutilated, return the damaged part with the reel, so that the Bureau can make replacement of the identical part, thereby keeping the continuity complete.

Never use bent or defective reels which may injure the sound track.

Be sure to read and preserve the book of instructions sent with your projector. **Follow threading operations in every detail.** Oil as directed. Failure to read and follow instructions causes trouble.

## RETURN FILMS PROMPTLY

**CONDITIONS OF SERVICE****Annual Registration Fee:**

Non-rental Film Service per school year.....\$ 1.00  
 (All films with no price stated are non-rentals.)

**Time Loaned, Exclusive of Travel:**

Non-Rental Motion Pictures for five days or less.

Rentals have their prices plainly stated.

The price quoted with each rental film is for **one entire day**; rental for each subsequent day is 50 per cent of the first day, on all films renting for 50c or more. There is no reduction for subsequent days on films renting for less than 50c.

Rental is charged for each day film is in hands of patron.

**Group Rentals:**

Group Rental Price per school, for 16 mm. Motion Pictures  
 for One Year, including **all** films starred.....25.00

These special funds will be used to secure additions, duplications, and replacements.

**(A minimum of an average of one program per week.)**

**Time Loaned, Exclusive of Travel:**

Non-Rental Motion Pictures for five days or less.

Rental films are scheduled for one day only. Rental for each subsequent day is 50 per cent of the first day on all films renting for 50c or more. There is no reduction for subsequent days on films renting for less than 50c.

Rental is charged for each day film is in hands of patron.

Do not rewind reels after last showing.

Reels are 400 feet in length unless otherwise stated.

**Transportation:**

Must be paid both ways by the borrower. **THIS BUREAU WILL NOT BEAR THE TRANSPORTATION COST.** Films shipped via Railway Express to the borrower may be returned via Railway Express at 50% of the outgoing express rate.

**Report Blanks:**

Fill out and return to this Bureau the report blanks furnished you. Service is extended with the express understanding that the borrower will report the use of every program to the Bureau, on blanks supplied by the Bureau.

**Damage:**

Films are to be used with reasonable care, and loss or serious damage will be charged to the exhibitor.

*(Continued on next page)*

Continuance of this service to any exhibitor is contingent on careful handling of the films, **their prompt return, and report on their use.**

**Sound Pictures:**

Sound pictures cannot be run on silent projectors. Therefore, sound pictures will be shipped only to customers who state in their order the make and model of the sound projector they are using.

**Use:**

Material sent from this Bureau must be shown free to the people of the community, unless admission charges or collections are used for some definite school purpose.

**In Ordering:**

State first, second, and third choice, or, if preferred, first, second, and third **date** picture is to be used.

Write for catalogues of:

LANTERN SLIDE SETS; MOUNTED PICTURES,  
35 mm. MOTION PICTURES; OTHER VISUAL AIDS.

Mrs. Charles Joe Moore, Director,  
Visual Instruction Bureau,  
The University of Texas,  
Austin, Texas

